

**Zebrafish actba Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # Azb10021c****Specification**

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**Zebrafish actba Antibody (Center) - Product Information**

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|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application       | WB,E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Primary Accession | <a href="#">Q7ZVI7</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Other Accession   | <a href="#">P60010</a> , <a href="#">P68136</a> , <a href="#">P68135</a> , <a href="#">P68137</a> , <a href="#">P68134</a> ,<br><a href="#">P68133</a> , <a href="#">P68139</a> , <a href="#">P68138</a> , <a href="#">P63269</a> , <a href="#">P63268</a> ,<br><a href="#">P63267</a> , <a href="#">P63270</a> , <a href="#">Q5E9B5</a> , <a href="#">A2BDB0</a> , <a href="#">P63259</a> ,<br><a href="#">P63260</a> , <a href="#">P63261</a> , <a href="#">Q5ZMQ2</a> , <a href="#">P63258</a> , <a href="#">P04751</a> ,<br><a href="#">P68035</a> , <a href="#">P68033</a> , <a href="#">P68032</a> , <a href="#">P68034</a> , <a href="#">Q3ZC07</a> ,<br><a href="#">O93400</a> , <a href="#">P60711</a> , <a href="#">P29751</a> , <a href="#">Q6QAO1</a> , <a href="#">P60710</a> ,<br><a href="#">Q4R561</a> , <a href="#">P60709</a> |
| Reactivity        | Zebrafish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Predicted         | C.Elegans, Drosophila, Xenopus, Chicken,<br>Bovine, Human, Mouse, Rabbit, Rat,<br>Hamster, Horse, Monkey, Pig, Sheep, Yeast                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Host              | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Clonality         | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Isotype           | Rabbit IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Antigen Region    | 188-215                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

**Zebrafish actba Antibody (Center) - Additional Information****Gene ID** 57934**Other Names**Actin, cytoplasmic 1, Beta-actin-1, Actin, cytoplasmic 1, N-terminally processed, actba, bact,  
bactin1, bactzf**Target/Specificity**This Zebrafish actba antibody is generated from rabbits immunized with a KLH conjugated  
synthetic peptide between 188-215 amino acids from the central region of zebrafish actba.**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is  
purified through a protein A column, followed by peptide affinity purification.**Storage**Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small  
aliquots to prevent freeze-thaw cycles.**Precautions**

Zebrafish actba Antibody (Center) is for research use only and not for use in diagnostic or

therapeutic procedures.

## **Zebrafish actba Antibody (Center) - Protein Information**

**Name** actba

**Synonyms** bact, bactin1, bactzf

**Function** Actin is a highly conserved protein that polymerizes to produce filaments that form cross-linked networks in the cytoplasm of cells. Actin exists in both monomeric (G-actin) and polymeric (F-actin) forms, both forms playing key functions, such as cell motility and contraction. In addition to their role in the cytoplasmic cytoskeleton, G- and F-actin also localize in the nucleus, and regulate gene transcription and motility and repair of damaged DNA.

### **Cellular Location**

Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:P60710}. Nucleus {ECO:0000250|UniProtKB:O93400}

### **Tissue Location**

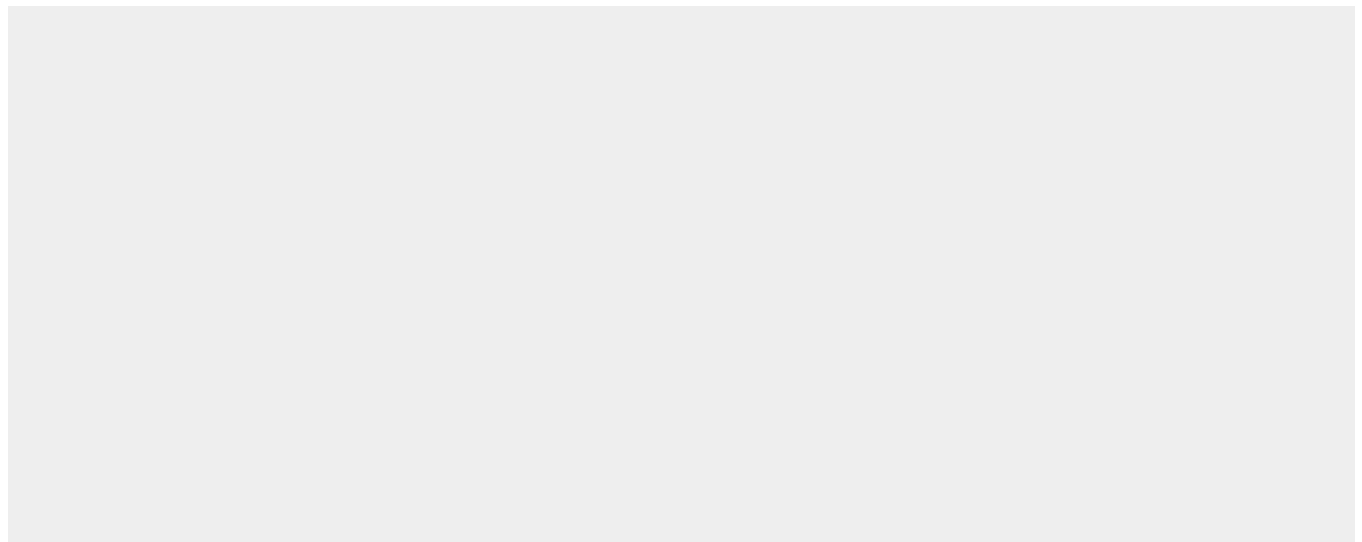
Skeletal muscle, heart, gill, digestive tissue and brain (PubMed:9987040). Widespread expression throughout the brain, with highest levels in regions where neuronal proliferation is greatest (PubMed:9987040).

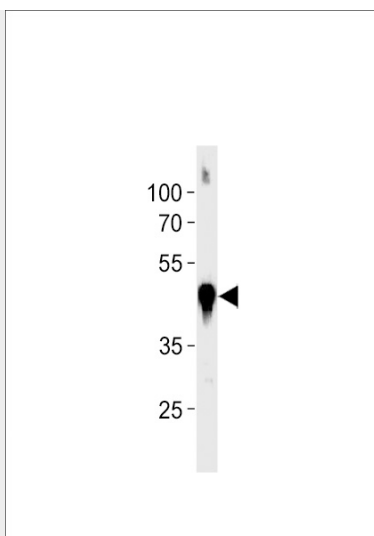
## **Zebrafish actba Antibody (Center) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

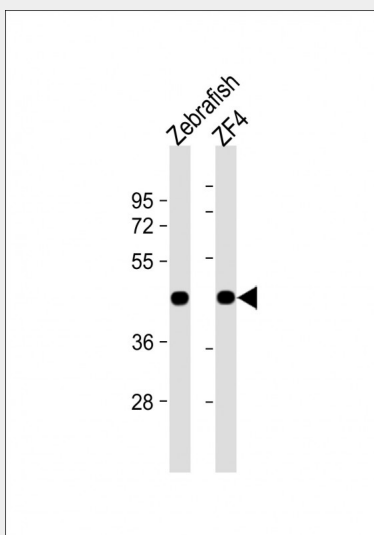
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **Zebrafish actba Antibody (Center) - Images**





Zebrafish actba Antibody (Center) (Cat. #Azbl0021c) western blot analysis in zebrafish muscle tissue lysates (35ug/lane). This demonstrates the Zebrafish actba antibody detected the zebrafish actba protein (arrow).



All lanes : Anti-Zebrafish actba Antibody (Center) at 1:1000 dilution Lane 1: zebrafish lysate Lane 2: ZF4 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 42 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

### **Zebrafish actba Antibody (Center) - Background**

Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.

### **Zebrafish actba Antibody (Center) - References**

Barrallo A., et al. Eur. J. Neurosci. 11:369-372(1999).