

**CGI-143 antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI10653****Specification**

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**CGI-143 antibody - N-terminal region - Product Information**

|                   |                                                        |
|-------------------|--------------------------------------------------------|
| Application       | WB, IHC                                                |
| Primary Accession | <a href="#">O9Y3E2</a>                                 |
| Other Accession   | <a href="#">NM_016074</a> , <a href="#">NP_057158</a>  |
| Reactivity        | Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Bovine, Dog |
| Predicted         | Mouse, Rat, Zebrafish                                  |
| Host              | Rabbit                                                 |
| Clonality         | Polyclonal                                             |
| Calculated MW     | 14kDa KDa                                              |

**CGI-143 antibody - N-terminal region - Additional Information****Gene ID** 51027

|                                   |                                |
|-----------------------------------|--------------------------------|
| Alias Symbol                      | hBoIA, CGI-143, RP11-196G18.18 |
| <b>Other Names</b>                |                                |
| BoIA-like protein 1, hBoIA, BOLA1 |                                |

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-CGI-143 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

CGI-143 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**CGI-143 antibody - N-terminal region - Protein Information****Name** BOLA1 ([HGNC:24263](#))**Function**

Acts as a mitochondrial iron-sulfur (Fe-S) cluster assembly factor that facilitates (Fe-S) cluster insertion into a subset of mitochondrial proteins (By similarity). Probably acts together with the monothiol glutaredoxin GLRX5 (PubMed:&lt;a href="http://www.uniprot.org/citations/27532772" target="\_blank"&gt;27532772&lt;/a&gt;). May protect cells against oxidative stress (PubMed:&lt;a href="http://www.uniprot.org/citations/22746225" target="\_blank"&gt;22746225&lt;/a&gt;).

**Cellular Location**

Mitochondrion.

**Tissue Location**

Widely expressed..

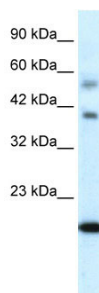
**CGI-143 antibody - N-terminal region - Protocols**

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](#)

**CGI-143 antibody - N-terminal region - Images**

Human Heart



WB Suggested Anti-CGI-143 Antibody Titration: 0.2-1  $\mu$ g/ml  
Positive Control: Human heart

**CGI-143 antibody - N-terminal region - References**

Strausberg, R.L., et al., (2002) Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903  
Reconstitution and Storage: For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.