

**IDH2 antibody - middle region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI12890****Specification**

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**IDH2 antibody - middle region - Product Information**

|                   |                                                                                  |
|-------------------|----------------------------------------------------------------------------------|
| Application       | WB                                                                               |
| Primary Accession | <a href="#">P48735</a>                                                           |
| Other Accession   | <a href="#">NM_002168</a> , <a href="#">NP_002159</a>                            |
| Reactivity        | Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Yeast, Bovine, Guinea Pig, Dog |
| Predicted Host    | Human, Mouse, Rabbit, Pig, Dog                                                   |
| Clonality         | Rabbit                                                                           |
| Calculated MW     | Polyclonal<br>47kDa KDa                                                          |

**IDH2 antibody - middle region - Additional Information****Gene ID** 3418

|              |                                                |
|--------------|------------------------------------------------|
| Alias Symbol | ICD-M, IDH, IDHM, IDP, mNADP-IDH, IDPM, D2HGA2 |
|--------------|------------------------------------------------|

**Other Names**

Isocitrate dehydrogenase [NADP], mitochondrial, IDH, 1.1.1.42, ICD-M, IDP, NADP(+)-specific ICDH, Oxalosuccinate decarboxylase, IDH2

**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-IDH2 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**

IDH2 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

**IDH2 antibody - middle region - Protein Information****Name** IDH2**Function**

Plays a role in intermediary metabolism and energy production (PubMed:[19228619](http://www.uniprot.org/citations/19228619), PubMed:[22416140](http://www.uniprot.org/citations/22416140)). It may tightly associate or interact with the pyruvate dehydrogenase complex (PubMed:[19228619](http://www.uniprot.org/citations/19228619), PubMed:[22416140](http://www.uniprot.org/citations/22416140)).

## Cellular Location

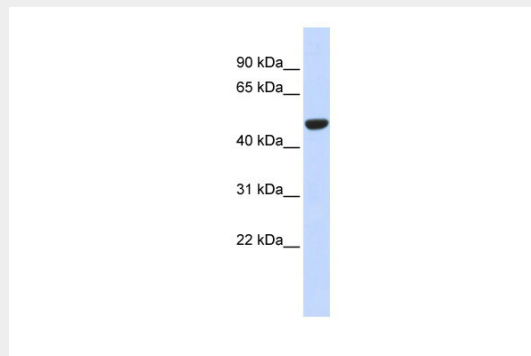
Mitochondrion {ECO:0000250|UniProtKB:P33198}.

## IDH2 antibody - middle 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](#)

## IDH2 antibody - middle region - Images



WB Suggested Anti-IDH2 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:12500

Positive Control: Human Muscle



IDH2 antibody - middle region validated by WB using Proximal kidney tubules purified from cortex at 1:1000.

## IDH2 antibody - middle region - References

Shin, S.W., (2008) Biochem. Biophys. Res. Commun. 366(4), 1012-1018 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. Publications: Vohwinkel, C.U. et al. Elevated CO<sub>2</sub> levels cause mitochondrial dysfunction and impair cell proliferation. J. Biol. Chem. 286, 37067-76 (2011). WB, Zebrafish, Human, Mouse, Dog, Pig, Horse, Rabbit, Rat, Guinea pig, Bovine, Yeast 21903582