

**IDH3B Antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI15365****Specification**

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**IDH3B Antibody - N-terminal region - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">O43837</a>
Other Accession	<a href="#">NM_006899</a> , <a href="#">NP_008830</a>
Reactivity	<b>Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog</b>
Predicted	<b>Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>42kDa KDa</b>

**IDH3B Antibody - N-terminal region - Additional Information****Gene ID** 3420**Alias Symbol** **FLJ11043, H-IDHB, MGC903, RP46****Other Names**

Isocitrate dehydrogenase [NAD] subunit beta, mitochondrial, 1.1.1.41, Isocitric dehydrogenase subunit beta, NAD(+)-specific ICDH subunit beta, IDH3B

**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-IDH3B 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**

IDH3B Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**IDH3B Antibody - N-terminal region - Protein Information****Name** IDH3B**Function**

Plays a structural role to facilitate the assembly and ensure the full activity of the enzyme catalyzing the decarboxylation of isocitrate (ICT) into alpha-ketoglutarate. The heterodimer composed of the alpha (IDH3A) and beta (IDH3B) subunits and the heterodimer composed of the alpha (IDH3A) and gamma (IDH3G) subunits, have considerable basal activity but the full activity of the heterotetramer (containing two subunits of IDH3A, one of IDH3B and one of IDH3G) requires the assembly and cooperative function of both heterodimers.

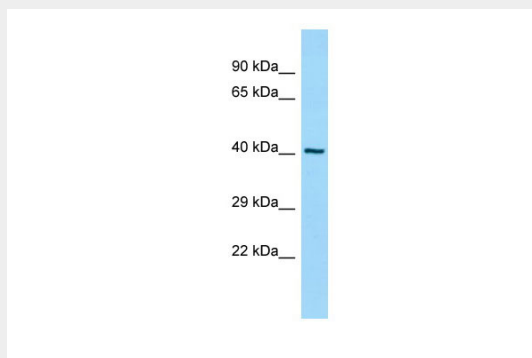
**Cellular Location**  
Mitochondrion.

### **IDH3B 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](#)

### **IDH3B Antibody - N-terminal region - Images**



WB Suggested Anti-IDH3B Antibody Titration: 1.0 µg/ml

Positive Control: HeLa Whole Cell IDH3B is strongly supported by BioGPS gene expression data to be expressed in Human HeLa cells

### **IDH3B Antibody - N-terminal region - References**

- Kim Y.-O., et al. J. Biol. Chem. 274:36866-36875(1999).  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Deloukas P., et al. Nature 414:865-871(2001).  
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.  
Bechtel S., et al. BMC Genomics 8:399-399(2007).