

**IDH3B (aa369-383) Antibody (C-Term)**  
Peptide-affinity purified goat antibody  
Catalog # AF3575a

### Specification

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#### IDH3B (aa369-383) Antibody (C-Term) - Product Information

Application	WB
Primary Accession	<a href="#">O43837</a>
Other Accession	<a href="#">NP_008830.2</a> , <a href="#">NP_777281.1</a> , <a href="#">3420</a> , <a href="#">170718</a> (mouse), <a href="#">94173</a> (rat)
Reactivity	Mouse
Predicted	Human, Rat, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	42184

#### IDH3B (aa369-383) Antibody (C-Term) - Additional Information

Gene ID 3420

#### Other Names

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

#### Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

IDH3B (aa369-383) Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

#### IDH3B (aa369-383) Antibody (C-Term) - 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 (aa369-383) Antibody (C-Term) - 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 (aa369-383) Antibody (C-Term) - Images



AF3575a (0.03 µg/ml) staining of Mouse fetal Kidney lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

#### IDH3B (aa369-383) Antibody (C-Term) - Background

This antibody is expected to recognize isoform a (NP\_008830.2) and isoform c (NP\_777281.1).

#### IDH3B (aa369-383) Antibody (C-Term) - References

Role of alpha-Asp181, beta-Asp192, and gamma-Asp190 in the distinctive subunits of human NAD-specific isocitrate dehydrogenase. Bzymek KP, Colman RF. Biochemistry. 2007 May 8;46(18):5391-7. PMID: 17432878