10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

IDH3B Antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15365

Product Information

Application	WB
Primary Accession	O43837
Other Accession	NM_006899, NP_008830
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42184

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.

Protein Information

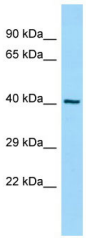
Name	IDH3B
Function	Plays a structural role to facilitate the assembly and ensure the full activity of the enzyme catalyzing the decarboxylation of isocitrate (ICT) into alpha-ketoglutarate. The heterodimer composed of the alpha (IDH3A) and beta (IDH3B) subunits and the heterodimer composed of the alpha (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.

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).

Images



WB Suggested Anti-IDH3B Antibody Titration: 1.0 µg/ml
Positive Control: Hela Whole CellIDH3B is strongly supported by BioGPS gene expression data to be expressed in Human HeLa cells

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.