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

IDH3B Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20575a

Product Information

Application	WB, IHC-P, E
Primary Accession	O43837
Reactivity	Human, Mouse
Predicted	Rat, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB47973
Calculated MW	42184

Additional Information

Gene ID	3420
Other Names	Isocitrate dehydrogenase [NAD] subunit beta, mitochondrial, Isocitric dehydrogenase subunit beta, NAD(+)-specific ICDH subunit beta, IDH3B
Target/Specificity	This IDH3B antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 15-49 amino acids from the N-terminal region of human IDH3B.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	IDH3B Antibody (N-term) 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)

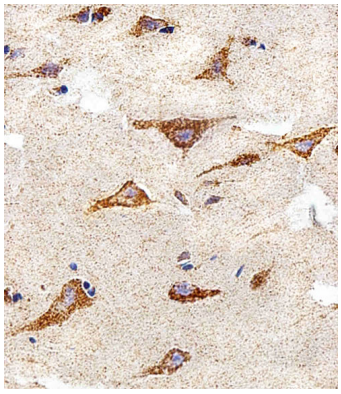
and gamma (IDH3G) subunits, have considerable basal activity but the full activity of the heterotetramer (containing two subunits of IDH3A, one of IDH3B and one of IDH3G) requires the assembly and cooperative function of both heterodimers.

Cellular Location Mitochondrion.

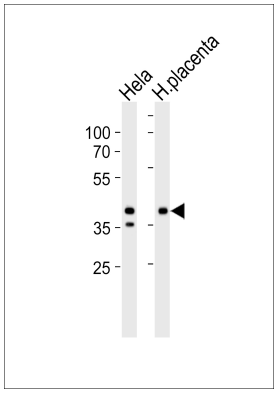
References

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Images



Immunohistochemical analysis of paraffin-embedded H.brain section using IDH3B Antibody (N-term)(Cat#AP20575a). AP20575a was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Western blot analysis of lysates from Hela cell line and human placenta tissue lysate (from left to right), using IDH3B Antibody (N-term) (Cat. #AP20575a). AP20575a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

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