

Datasheet for ABIN6142149
anti-IDH3B antibody (AA 35-170)

3 Images

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Overview

Quantity:	100 µL
Target:	IDH3B
Binding Specificity:	AA 35-170
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IDH3B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 35-170 of human IDH3B (NP_008830.2).
Sequence:	ASRSAEDVR VEGSFPVTML PGDGVGPELM HAVKEVFCAA AVPVEFQEH LSEVQNMASE EKLEQVLSSM KENKVAIGK IHTPMEYKGE LASYDMRLRR KLDLFANVVH VKSLPGYMTR HNNLDLVIIR EQTEGE
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

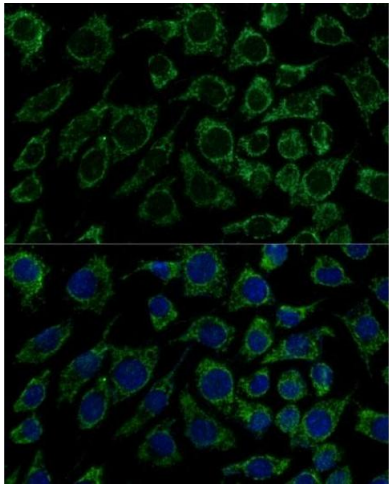
Target:	IDH3B
Alternative Name:	IDH3B (IDH3B Products)
Background:	<p>Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. These enzymes belong to two distinct subclasses, one of which utilizes NAD(+) as the electron acceptor and the other NADP(+). Five isocitrate dehydrogenases have been reported: three NAD(+)-dependent isocitrate dehydrogenases, which localize to the mitochondrial matrix, and two NADP(+)-dependent isocitrate dehydrogenases, one of which is mitochondrial and the other predominantly cytosolic. NAD(+)-dependent isocitrate dehydrogenases catalyze the allosterically regulated rate-limiting step of the tricarboxylic acid cycle. Each isozyme is a heterotetramer that is composed of two alpha subunits, one beta subunit, and one gamma subunit. The protein encoded by this gene is the beta subunit of one isozyme of NAD(+)-dependent isocitrate dehydrogenase. Multiple alternatively spliced transcript variants encoding different isoforms have been described for this gene.,IDH3B,RP46,Cancer,Signal Transduction,Endocrine & Metabolism,Mitochondrial metabolism,Mitochondrial markers,IDH3B</p>
Molecular Weight:	25 kDa/41 kDa/42 kDa
Gene ID:	3420
UniProt:	O43837

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:100,IF,1:50 - 1:100
Restrictions:	For Research Use only

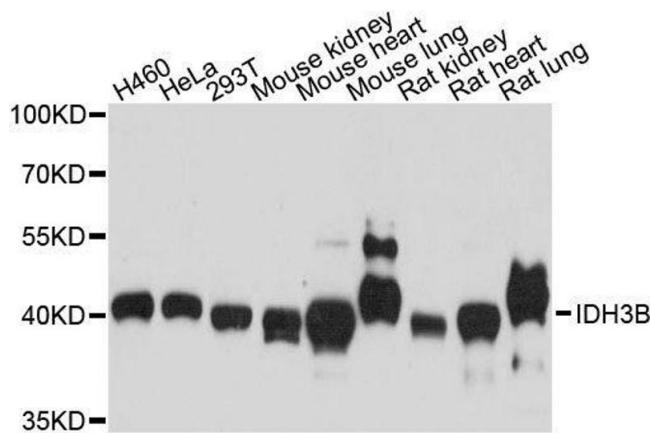
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



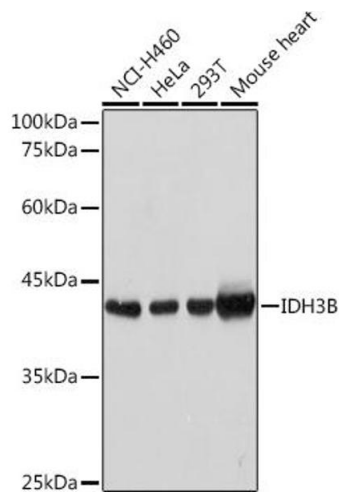
Immunofluorescence

Image 1. Immunofluorescence analysis of L929 cells using IDH3B Polyclonal Antibody (ABIN6128145, ABIN6142149, ABIN6142150 and ABIN6217848) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using IDH3B antibody.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using IDH3B Rabbit pAb (ABIN6128145, ABIN6142149, ABIN6142150 and ABIN6217848) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.