ARG59731
anti-IDH3B antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes IDH3B
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IDH3B
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 15-49 of Human IDH3B.
Conjugation	Un-conjugated
Alternate Names	RP46; Isocitric dehydrogenase subunit beta; NAD; Isocitrate dehydrogenase [NAD] subunit beta, mitochondrial; H-IDHB; EC 1.1.1.41; +

Application Instructions

Application table

Application	Dilution
IHC-P	1:25
WB	1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: Human placenta

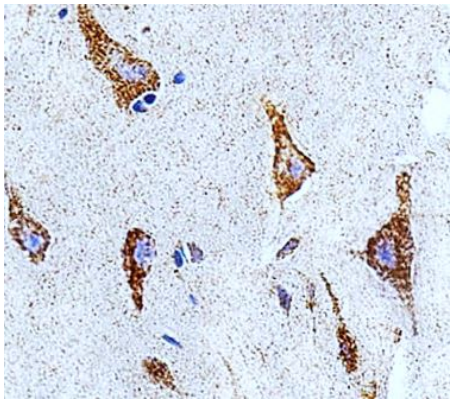
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) sodium azide.
Preservative	0.09% (W/V) sodium azide.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

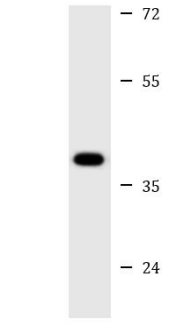
Gene Symbol	IDH3B
Gene Full Name	isocitrate dehydrogenase 3 (NAD+) beta
Background	Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. These enzymes belong to two distinct subclasses, one of which utilizes NAD(+) as the electron acceptor and the other NADP(+). 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. Three alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]
Calculated Mw	42 kDa
Cellular Localization	Mitochondrion. [UniProt]

Images



ARG59731 anti-IDH3B antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human brain tissue stained with ARG59731 anti-IDH3B antibody at 1:25 dilution.



Human placenta

ARG59731 anti-IDH3B antibody WB image

Western blot: 35 µg of Human placenta lysate stained with ARG59731 anti-IDH3B antibody at 1:1000 dilution.