

IDHP Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP08600
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	Synthesized peptide derived from part region of human protein
Mol wt	N/A
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	Isocitrate dehydrogenase [NADP], mitochondrial
Synonyms	Isocitrate dehydrogenase [NADP]; mitochondrial ;IDH;EC 1.1.1.42;ICD-M;IDP;NADP;+-specific ICDH;Oxalosuccinate decarboxylase

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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. Each NADP(+)-dependent isozyme is a homodimer. The protein encoded by this gene is the NADP(+)-dependent isocitrate dehydrogenase found in the mitochondria. It plays a role in intermediary metabolism and energy production. This protein may tightly associate or interact with the pyruvate dehydrogenase complex. Alternative splicing results in multiple transcript variants.

Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 5000 - 1: 20000

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Not yet tested in other applications.

Images

No images.

Storage

-20°C for 1 year