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Datasheet for ABIN952962 anti-IDH3G antibody (C-Term)

2 Images



Overview

Quantity:	0.4 mL
Target:	IDH3G
Binding Specificity:	AA 364-393, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IDH3G antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 364~393 amino acids from the C-terminal region of human IDH3G
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human Isocitric dehydrogenase gamma / IDH3G (C-term).
Purification:	Protein A column, followed by peptide affinity purification

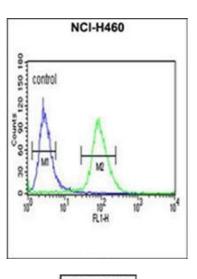
Target Details

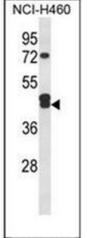
Target:	IDH3G
Alternative Name:	Isocitric Dehydrogenase gamma / IDH3G (IDH3G Products)
Background:	Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-

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	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 gamma subunit of
	one isozyme of NAD(+)-dependent isocitrate dehydrogenase. This gene is a candidate gene for
	periventricular heterotopia.Synonyms: NAD(+)-specific ICDH gamma, mitochondrial Isocitrate
	dehydrogenase [NAD] subunit gamma
Molecular Weight:	42794 Da
Gene ID:	3421
NCBI Accession:	NP_004126
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

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Flow Cytometry

Image 1. Flow cytometric analysis of NCI-H460 cells using IDH3G Antibody (C-term) Cat.-No AP52147PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of IDH3G Antibody (C-term) in NCI-H460 cell line lysates (35ug/lane). IDH3G (arrow) was detected using the purified Pab.

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