Datasheet for ABIN7468502

anti-IDH2 antibody

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Overview

Quantity:	100 µL
Target:	IDH2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IDH2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human IDH2. The exact sequence is proprietary.
Clone:	GT673
Isotype:	IgG1
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Affinity purified by Protein G.
Grade:	KO Validated

Target Details

Target:	IDH2

Target Details

Alternative Name:	isocitrate dehydrogenase (NADP(+)) 2, mitochondrial (IDH2 Products)
Background:	Synonyms: isocitrate dehydrogenase (NADP(+)) 2, mitochondrial , D2HGA2 , ICD-M , IDH , IDHM , IDP , IDPM , mNADP-IDH 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. [provided by RefSeq]
Molecular Weight:	51 kDa
Gene ID:	3418
UniProt:	P48735
Pathways:	Warburg Effect

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: rat brain , Jurkat , Raji , K562 , THP-1 , NCI-H929 , mouse brain , DDDDK-tagged IDH2-transfected 293T , HepG2 Validation: KO/KD, Overexpression
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS, No Preservative
Preservative:	Without preservative
Storage:	4 °C,-20 °C

Handling

Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.