Datasheet for ABIN7602787
anti-IDH2 antibody (C-Term)

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Overview

Quantity:	100 µg
Target:	IDH2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IDH2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-IDH2 Antibody Picoband® (monoclonal, 6B13)
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human IDH2, identical to the related mouse and rat sequences.
Clone:	6B13
Isotype:	IgG2a
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-IDH2 Antibody Picoband® (monoclonal, 6B13) (ABIN7602787). Tested in Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-

Product Details

	performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	IDH2
Alternative Name:	IDH2 (IDH2 Products)
Background:	Synonyms: T-cell surface glycoprotein CD5, Lymphocyte antigen T1/Leu-1, CD5, CD5, LEU1 Tissue Specificity: Brain, liver, placenta, lymphocytes and erythrocytes. Background: Isocitrate dehydrogenase [NADP], mitochondrialis anenzymethat in humans is encoded by theIDH2gene. 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.
Molecular Weight:	45 kDa
Gene ID:	3418
UniProt:	P48735
Pathways:	Warburg Effect

Application Details

Application Notes:	Western blot, 0.1-0.25 μg/mL, Human, Mouse, Rat Immunohistochemistry (Paraffin-embedded Section), 2-5 μg/mL, Human, Rat Immunocytochemistry/Immunofluorescence, 5 μg/mL, Human Flow Cytometry (Fixed), 1-3 μg/1x10^6 cells, Human 1. "Entrez Gene: IDH2 isocitrate dehydrogenase 2 (NADP+), mitochondrial". 2. Xu X, Zhao J, Xu Z, Peng B, Huang Q, Arnold E, Ding J (Aug 2004). "Structures of human cytosolic NADP-

Application Details

	dependent isocitrate dehydrogenase reveal a novel self-regulatory mechanism of activity". The Journal of Biological Chemistry 279 (32): 33946-57.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

