



IDH3A Polyclonal Antibody

Catalog No	BYab-02865
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	IDH3A
Protein Name	Isocitrate dehydrogenase [NAD] subunit alpha mitochondrial
Immunogen	Synthesized peptide derived from the Internal region of human IDH3A.
Specificity	IDH3A Polyclonal Antibody detects endogenous levels of IDH3A protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	IDH3A; Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial; Isocitric dehydrogenase subunit alpha; NAD(+)-specific ICDH subunit alpha
Observed Band	39kD
Cell Pathway	Mitochondrion.
Tissue Specificity	Brain,Brain cortex,Cajal-Retzius cell,Esophagus tumor,Fetal
Function	catalytic activity:Isocitrate + NAD(+) = 2-oxoglutarate + CO(2) + NADH.;cofactor: Binds 1 magnesium or manganese ion per subunit.;similarity:Belongs to the isocitrate and isopropylmalate dehydrogenases family.;subunit:Heterooligomer of subunits alpha, beta, and gamma in the apparent ratio of 2:1:1.,
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

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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 alpha subunit of one isozyme of NAD(+)-dependent isocitrate dehydrogenase. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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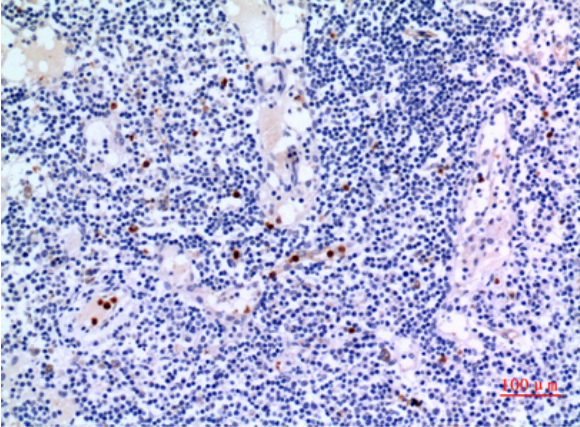
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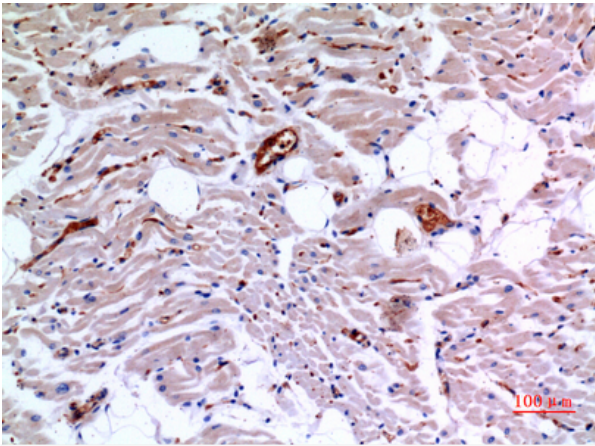
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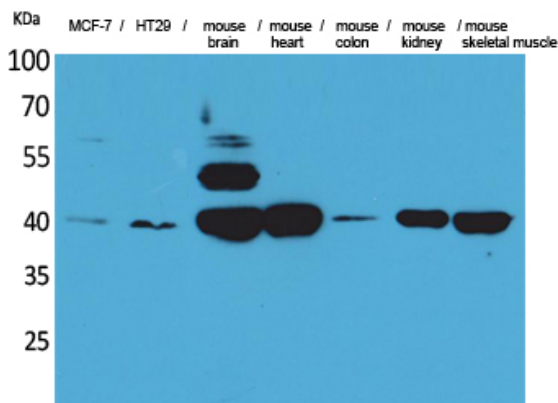
Products Images



Western Blot analysis of MCF-7, HT29, mouse brain, mouse heart, mouse colon, mouse kidney, mouse skeletal muscle cells using IDH3A Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-心, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-lymph-gland, antibody was diluted at 1:100