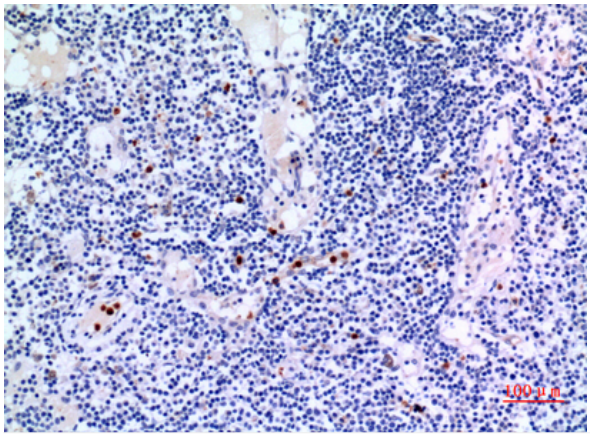
IDH3A Polyclonal Antibody

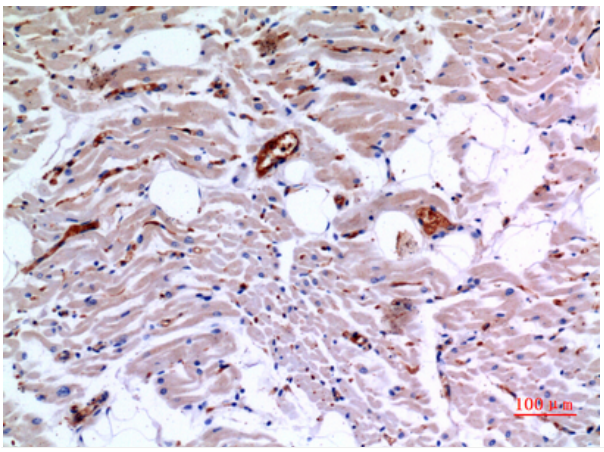
Catalog No	YP-Ab-02865
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	IDH3A
Protein Name	Isocitrate dehydrogenase [NAD] subunit alpha mitochondrial
Immunogen	Synthesized peptide derived from the Internal region of human IDH3A.
Specificity	IDH3A Polyclonal Antibody detects 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 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.

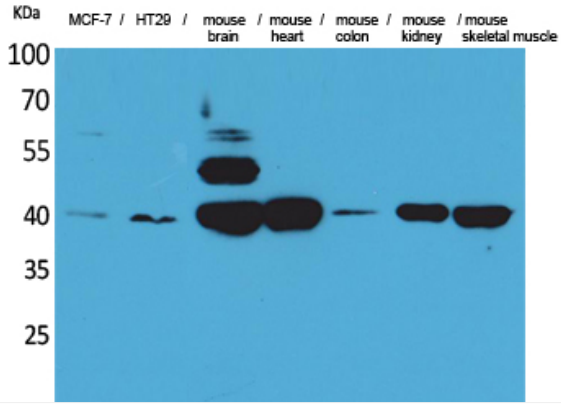
Products Images



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