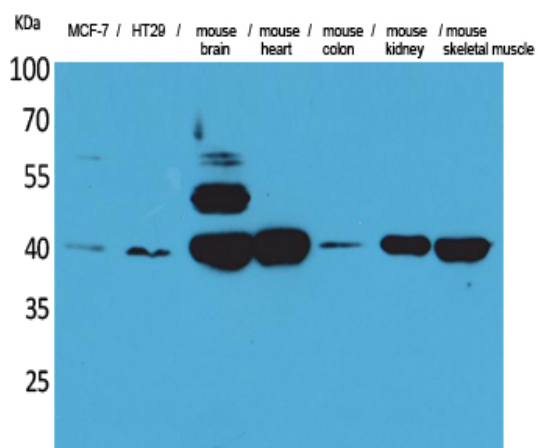


IDH3A Polyclonal Antibody

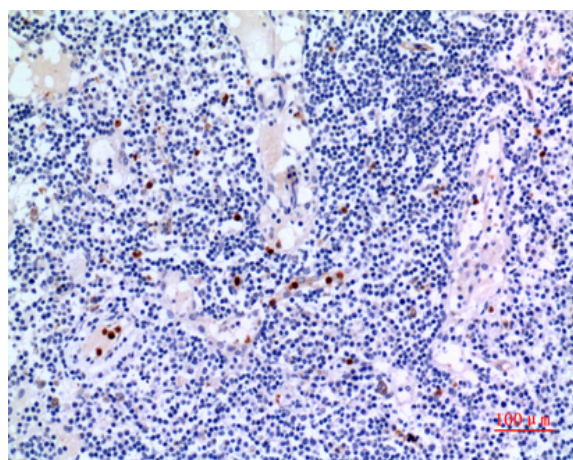
Catalog No :	YT5318
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	IDH3A
Fields :	>>Citrate cycle (TCA cycle);>>Metabolic pathways;>>Carbon metabolism;>>2-Oxocarboxylic acid metabolism;>>Biosynthesis of amino acids
Gene Name :	IDH3A
Protein Name :	Isocitrate dehydrogenase [NAD] subunit alpha mitochondrial
Human Gene Id :	3419
Human Swiss Prot No :	P50213
Mouse Gene Id :	67834
Mouse Swiss Prot No :	Q9D6R2
Rat Gene Id :	114096
Rat Swiss Prot No :	Q99NA5
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
Dilution :	WB 1:500 - 1:2000. IHC: 1:100-1:300. ELISA: 1:20000.. IF 1:50-200

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	39kD
Cell Pathway :	Citrate cycle (TCA cycle);
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],
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.,
Subcellular Location :	Mitochondrion.
Expression :	Brain,Brain cortex,Cajal-Retzius cell,Esophagus tumor,Fetal
Tag :	orthogonal,hot
Sort :	1010
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

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-lymph-gland, antibody was diluted at 1:100