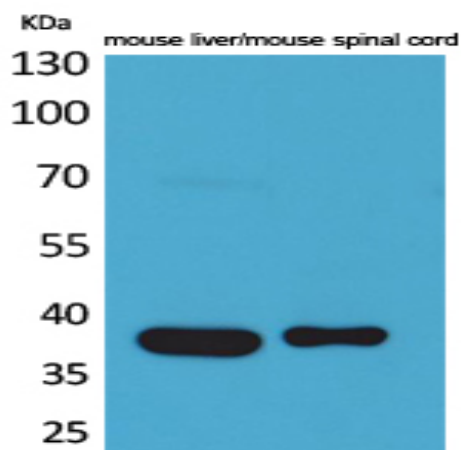


Aldolase C Polyclonal Antibody

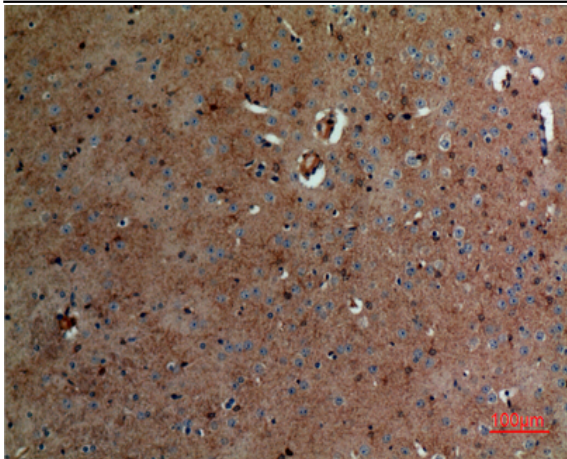
Catalog No :	YT5184
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	Aldolase C
Fields :	>>Glycolysis / Gluconeogenesis;>>Pentose phosphate pathway;>>Fructose and mannose metabolism;>>Metabolic pathways;>>Carbon metabolism;>>Biosynthesis of amino acids;>>HIF-1 signaling pathway
Gene Name :	ALDOC
Protein Name :	Fructose-bisphosphate aldolase C
Human Gene Id :	230
Human Swiss Prot No :	P09972
Mouse Gene Id :	11676
Mouse Swiss Prot No :	P05063
Rat Gene Id :	24191
Rat Swiss Prot No :	P09117
Immunogen :	The antiserum was produced against synthesized peptide derived from the N-terminal region of human ALDOC. AA range:21-70
Specificity :	Aldolase C Polyclonal Antibody detects endogenous levels of Aldolase C 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: 1:100-300 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 :	Glycolysis / Gluconeogenesis;Pentose phosphate pathway;Fructose and mannose metabolism;
Background :	This gene encodes a member of the class I fructose-biphosphate aldolase gene family. Expressed specifically in the hippocampus and Purkinje cells of the brain, the encoded protein is a glycolytic enzyme that catalyzes the reversible aldol cleavage of fructose-1,6-biphosphate and fructose 1-phosphate to dihydroxyacetone phosphate and either glyceraldehyde-3-phosphate or glyceraldehyde, respectively. [provided by RefSeq, Jul 2008],
Function :	catalytic activity:D-fructose 1,6-bisphosphate = glycerone phosphate + D-glyceraldehyde 3-phosphate.,miscellaneous:In vertebrates, three forms of this ubiquitous glycolytic enzyme are found, aldolase A in muscle, aldolase B in liver and aldolase C in brain.,pathway:Carbohydrate degradation; glycolysis; D-glyceraldehyde 3-phosphate and glycerone phosphate from D-glucose: step 4/4.,similarity:Belongs to the class I fructose-bisphosphate aldolase family.,subunit:Homotetramer.,
Subcellular Location :	mitochondrion,cytosol,cytoskeleton,extracellular exosome,
Expression :	Brain,Colon,Epithelium,Eye,Uterus,

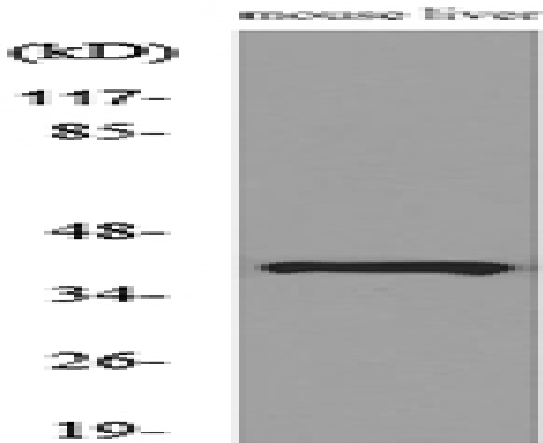
Products Images



Western Blot analysis of mouse liver, mouse spinal cord cells using Aldolase C Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded mouse-brain, antibody was diluted at 1:100



Western blot analysis of lysate from mouse liver cells, using ALDOC Antibody.