



Aldolase C Monoclonal Antibody

Catalog No	YP-mAb-02860
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ALDOC
Immunogen	The antiserum was produced against synthesized peptide derived from the N-terminal region of human ALDOC. AA range:21-70
Specificity	Aldolase C Monoclonal Antibody detects endogenous levels of Aldolase C protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ALDOC;ALDC;ALDO;Brain-type aldolase;EC:4.1.2.13;Aldolase C;Fructose-bisphosphate aldolase C
Observed Band	39kD
Calculated Molecular Weight	39kD
Cell Pathway	mitochondrion,cytosol,cytoskeleton,extracellular exosome,
Tissue Specificity	Brain,Colon,Epithelium,Eye,Uterus,
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.,



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],

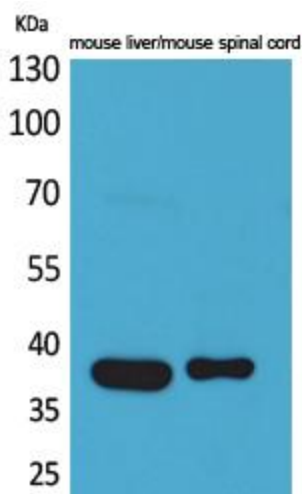
matters needing attention

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 various cells using Aldolase C Monoclonal Antibody