Mouse ALDOB Monoclonal Antibody | anti-ALDOB antibody

ALDOB antibody

CATALOG #	HOST	APPLICATIONS
AAA106519	**Mouse**	**Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

ALDOB; Monoclonal Antibody; ALDOB antibody; Monoclonal ALDOB; Anti-ALDOB; Aldolase B Fructose-Bisphosphate; ALDB; Fructose-bisphosphate aldolase B; anti-ALDOB antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	3C6
Purity/Purification	ALDOB antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	364
Applicable Applications for anti-ALDOB antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Biological Significance	ALDOB is a tetrameric glycolytic enzyme that catalyzes the reversible conversion of fructose-1, 6-bisphosphate to glyceraldehyde 3-phosphate and dihydroxyacetone phosphate. Vertebrates have 3 aldolase isozymes which are distinguished by their electrophoretic and catalytic properties. Differences indicate that aldolases A, B, and C are distinct proteins, the products of a family of related 'housekeeping' genes exhibiting developmentally regulated expression of the different isozymes. The developing embryo produces aldolase A, which is produced in even greater amounts in adult muscle where it can be as much as 5% of total cellular protein. In adult liver, kidney and intestine, aldolase A expression is repressed and aldolase B is produced. In brain and other nervous tissue, aldolase A and C are expressed about equally.
Cross-Reactivity	Human
Immunogen	ALDOB antibody was raised in mouse using a full length recombinant protein of human ALDOB (NP_000026) produced in HEK293 cell as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

IHC (Immunohiostchemistry)
Immunohistochemical analysis of ALDOB protein in paraffin embedded Human liver tissue using ALDOB antibody

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant ALDOB protein (Right) or empty vector (Left) detected with ALDOB antibody

ADDITIONAL INFORMATION

Related Product Information for anti-ALDOB antibody	Mouse monoclonal ALDOB antibody
Product Categories/Family for anti-ALDOB antibody	Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	40354205
NCBI GeneID	229
NCBI Accession #	NP_000026
NCBI GenBank Nucleotide #	NM_000035.3
UniProt Accession #	P05062; Q13741; Q13742; Q5T7D6
Molecular Weight	39,473 Da
NCBI Official Full Name	fructose-bisphosphate aldolase B
NCBI Official Synonym Full Names	aldolase B, fructose-bisphosphate
NCBI Official Symbol	ALDOB
NCBI Official Synonym Symbols	ALDB; ALDO2
NCBI Protein Information	fructose-bisphosphate aldolase B
UniProt Protein Name	Fructose-bisphosphate aldolase B
UniProt Gene Name	**ALDOB**
UniProt Synonym Gene Names	ALDB
UniProt Entry Name	ALDOB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/aldob-antibody-clone-3c6-western-blot-immunohistochemistry-flow-cytometry-elisa/106519