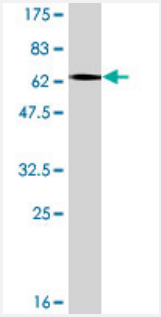
ALDOA polyclonal antibody (A01)

Catalog # H00000226-A01 Size 50 uL

Applications



Western Blot detection against Immunogen (66.15 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a full-length recombinant ALDOA.
Immunogen	ALDOA (AAH10660.1, 1 a.a. ~ 364 a.a) full-length recombinant protein with GST tag.
Sequence	MPYQYPALTPEQKKELSDIAHRIVAPGKGILAADESTGSIAKRLQSIGTENTEENRRFYRQLLLTADD RVNPCIGGVILFHETLYQKADDGRPFPQVIKSKGGVVGIKVDKGVVPLAGTNGETTTQGLDGLSER CAQYKKDGADFAKWRCVLKIGEHTPSALAIMENANVLARYASICQQNGIVPIVEPEILPDGDHDLK RCQYVTEKVLAAVYKALSDHHIYLEGTLLKPNMVTPGHACTQKFSHEEIAMATVTALRRTVPPAVT GITFLSGGQSEEEASINLNAINKCPLLKPWALTFSYGRALQASALKAWGGKKENLKAAQEEYVKR ALANSLACQGKYTPSGQAGAAASESLFVSNHAY
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (97)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (66.15 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — ALDOA

Entrez GeneID	226
GeneBank Accession#	BC010660
Protein Accession#	AAH10660.1
Gene Name	ALDOA
Gene Alias	ALDA, MGC10942, MGC17716, MGC17767
Gene Description	aldolase A, fructose-bisphosphate
Omim ID	103850
Gene Ontology	Hyperlink
Gene Summary	This gene product, Aldolase A (fructose-bisphosphate aldolase) is a glycolytic enzyme that cataly zes the reversible conversion of fructose-1,6-bisphosphate to glyceraldehyde 3-phosphate and di hydroxyacetone phosphate. Three aldolase isozymes (A, B, and C), encoded by three different ge nes, are differentially expressed during development. Aldolase A is found in the developing embry o and is produced in even greater amounts in adult muscle. Aldolase A expression is repressed i n adult liver, kidney and intestine and similar to aldolase C levels in brain and other nervous tissue . Aldolase A deficiency has been associated with myopathy and hemolytic anemia. Alternative spl icing of this gene results in multiple transcript variants which encode the same protein. [provided b y RefSeq
Other Designations	aldolase A|fructose-1,6-bisphosphate triosephosphate-lyase|fructose-bisphosphate aldolase A

Pathway

- Biosynthesis of alkaloids derived from histidine and purine
- Biosynthesis of alkaloids derived from ornithine
- Biosynthesis of alkaloids derived from shikimate pathway

- Biosynthesis of alkaloids derived from terpenoid and polyketide
- Biosynthesis of phenylpropanoids
- Biosynthesis of plant hormones
- Biosynthesis of terpenoids and steroids
- Carbon fixation in photosynthetic organisms
- Fructose and mannose metabolism
- Glycolysis / Gluconeogenesis
- Metabolic pathways
- Pentose phosphate pathway

Disease

- Autistic Disorder
- Genetic Predisposition to Disease