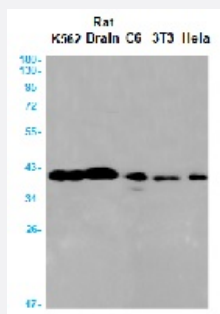


RecomAb™

ALDOA recombinant monoclonal antibody, clone R06-6A3

Catalog # RAB01620 Size 100 uL

Applications



Western Blot

Western blot analysis of Aldolase in K562, rat Brain, C6, 3T3, HeLa lysates using human Aldolase recombinant monoclonal antibody, clone R06-6A3 (Cat # RAB01620).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against synthetic peptide of human Aldolase.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human Aldolase
Theoretical MW (kDa)	Calculated MW: 39 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence(1:50-1:200) Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

Store at 4°C for short term. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Aldolase in K562, rat Brain, C6, 3T3, Hela lysates using human Aldolase recombinant monoclonal antibody, clone R06-6A3 (Cat # RAB01620).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunohistochemistry (Frozen sections)

- Immunocytochemistry

Gene Info — ALDOA

Entrez GeneID[226](#)**Protein Accession#**[P04075](#)**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 catalyzes the reversible conversion of fructose-1,6-bisphosphate to glyceraldehyde 3-phosphate and dihydroxyacetone phosphate. Three aldolase isozymes (A, B, and C), encoded by three different genes, are differentially expressed during development. Aldolase A is found in the developing embryo and is produced in even greater amounts in adult muscle. Aldolase A expression is repressed in 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 splicing of this gene results in multiple transcript variants which encode the same protein. [provided by 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](#)