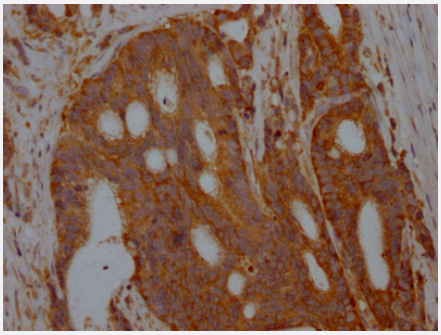
RecomAb™

ALDOA recombinant monoclonal antibody, clone 7D8

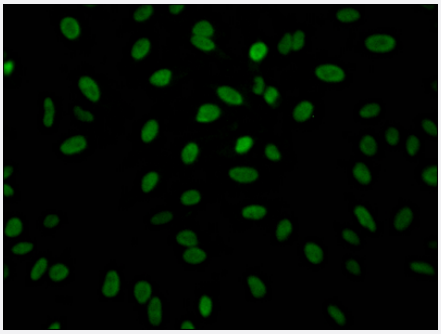
Catalog # RAB04166 Size 100 uL

Applications



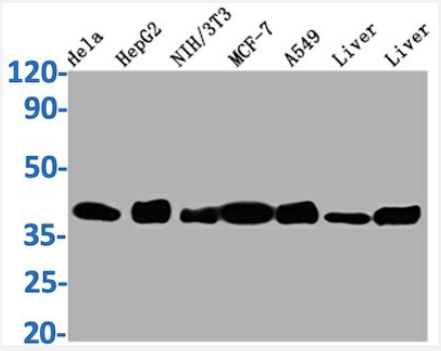
Immunohistochemistry

Immunohistochemistry image of ALDOA recombinant monoclonal antibody, clone 7D8 diluted at 1:100 and staining in paraffin-embedded human colon cancer performed on a Leica BondTM system.



Immunofluorescence

Immunofluorescence staining of Hela Cells with ALDOA recombinant monoclonal antibody, clone 7D8 at 1:50, counter-stained with DAPI.



Western Blot

Western Blot analysis of Lane 1: Hela whole cell lysate; Lane 2: HepG2 whole cell lysate; Lane 3: NIH/3T3 whole cell lysate; Lane 4: MCF-7 whole cell lysate; Lane 5: A549 whole cell lysate; Lane 6: Mouse Liver whole cell lysate; Lane 7:Rat Liver whole cell lysate.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human, mouse and rat ALDOA.

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Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human ALDOA.
Reactivity	Human, Mouse, Rat
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity-chromatography
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) Immunofluorescence(1:20-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry

  Immunohistochemistry image of ALDOA recombinant monoclonal antibody, clone 7D8 diluted at 1:100 and staining in paraffin-embedded human colon cancer performed on a Leica BondTM system.

- Immunofluorescence

  Immunofluorescence staining of Hela Cells with ALDOA recombinant monoclonal antibody, clone 7D8 at 1:50, counter-stained with DAPI.

- Enzyme-linked Immunoabsorbent Assay

- Western Blot

  Western Blot analysis of Lane 1: Hela whole cell lysate; Lane 2: HepG2 whole cell lysate; Lane 3: NIH/3T3 whole cell lysate; Lane 4: MCF-7 whole cell lysate; Lane 5: A549 whole cell lysate; Lane 6: Mouse Liver whole cell lysate; Lane 7:Rat Liver whole cell lysate.

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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 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

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- Glycolysis / Gluconeogenesis
- Metabolic pathways
- Pentose phosphate pathway

Disease

- Autistic Disorder
- Genetic Predisposition to Disease

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