

Datasheet for ABIN1678634
anti-ALDOB antibody (AA 1-200)

3 Images

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Overview

Quantity:	100 µg
Target:	ALDOB
Binding Specificity:	AA 1-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALDOB antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-200 of human ALDOB (NP_000026.2).
Sequence:	MAHRFPALTQ EQKKELSEIA QSIVANGKGI LAADESVGTM GNRLQRIKVE NTEENRRQFR EILFSVDSSI NQSIGGVILF HETLYQKDSQ GKLFRNILKE KGIWVGKLD QGGAPLAGTN KETTIQGLDG LSERCAQYKK DGVDGKWRV VLRIADQCPS SLAIQENANA LARYASICQQ NGLVPIVEPE VIPDGDHDL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

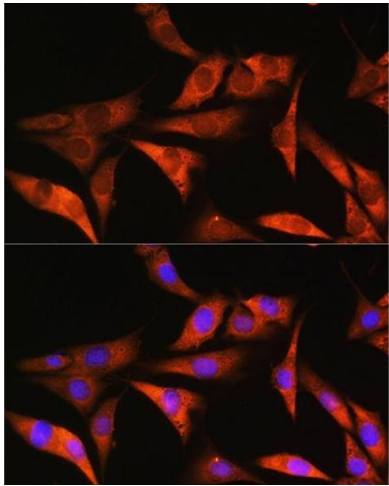
Target:	ALDOB
Alternative Name:	ALDOB (ALDOB Products)
Background:	<p>Fructose-1,6-bisphosphate aldolase (EC 4.1.2.13) is a tetrameric glycolytic enzyme that catalyzes the reversible conversion of fructose-1,6-bisphosphate to glyceraldehyde 3-phosphate and dihydroxyacetone phosphate. Vertebrates have 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. There is a high degree of homology between aldolase A and C. Defects in ALDOB cause hereditary fructose intolerance.,ALDOB,ALDB,ALDO2,Cancer,Signal Transduction,Cell Biology & Developmental Biology,Cell Cycle,Centrosome,Endocrine & Metabolism,Carbohydrate metabolism,ALDOB</p>
Molecular Weight:	39 kDa
Gene ID:	229
UniProt:	P05062

Application Details

Application Notes:	WB,1:1000 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

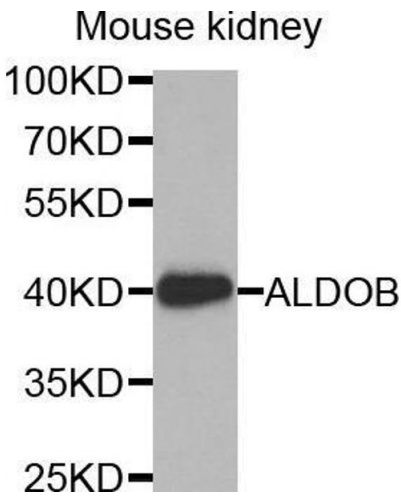
Handling

Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



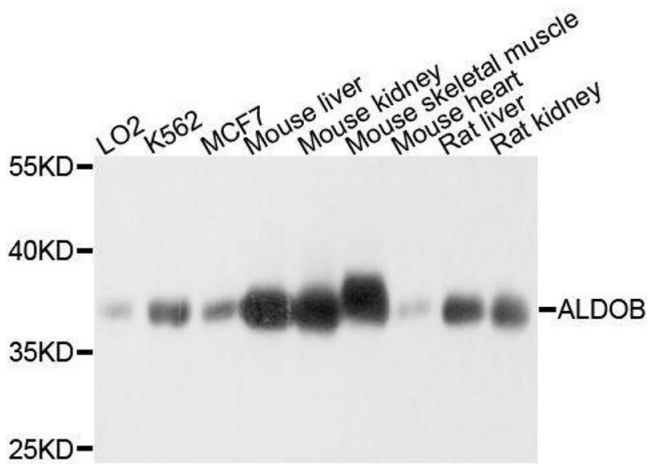
Immunofluorescence

Image 1. Immunofluorescence analysis of NIH/3T3 cells using ALDOB Rabbit pAb (ABIN1678634, ABIN3018008, ABIN3018009 and ABIN6220333) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using ALDOB antibody.