

Rabbit ALDOA Polyclonal Antibody | anti-ALDOA antibody

ALDOA Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326056	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

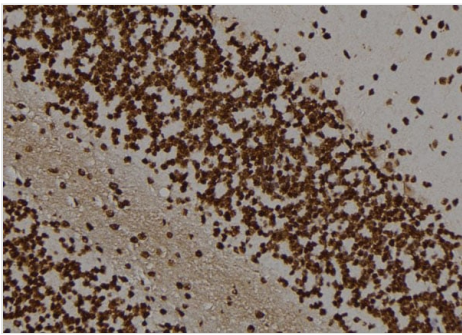
PRODUCT SYNONYMS

ALDOA; Polyclonal Antibody; ALDOA Antibody; ALDA; Aldo1; ALDOA_HUMAN; Aldolase 1; Aldolase A; Aldolase A fructose bisphosphatase; Aldolase A fructose bisphosphate; Aldolase; fructose-bisphosphate A; Epididymis secretory sperm binding protein Li 87p; FRUCTOALDOLASE A; Fructose 1 6 bisphosphate triosephosphate lyase; Fructose bisphosphate aldolase A; Fructose bisphosphate aldolase; FRUCTOSE-1; 6-BISPHOSPHATE ALDOLASE A; Fructose-bisphosphate aldolase A; Fructose-bisphosphate aldolase A Muscle-type; GSD12; HEL S 87p; Lung cancer antigen NY LU 1; Lung cancer antigen NY-LU-1; MGC10942; MGC17716; MGC17767; Muscle type aldolase; Muscle-type aldolase; RNALDOG5; anti-ALDOA antibody

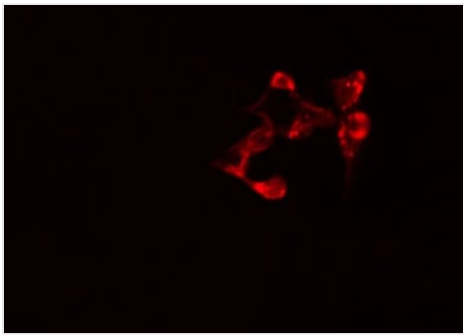
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ALDOA antibody detects endogenous levels of total ALDOA
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	418
Applicable Applications for anti-ALDOA antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ALDOA
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

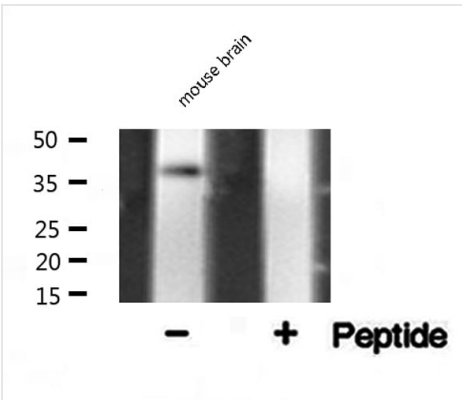
IMAGES



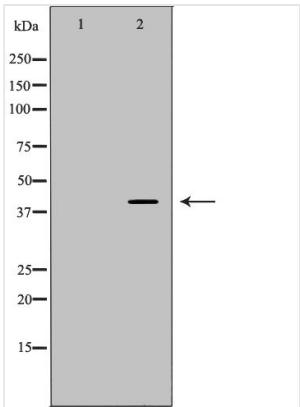
IHC (Immunohistochemistry)
AAA326056 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)
AAA326056 staining COLO205 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)
Western blot analysis of ALDOA expression in Mouse brain lysate



WB (Western Blot)
Western blot analysis of HeLa using ALDOA antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ALDOA antibody	Description: Aldolase (fructose biphosphate aldolase), a glycolytic enzyme, catalyzes the conversion of fructose 1, 6-biphosphate to 3-phosphoglyceraldehyde. This ubiquitous enzyme is present as three different isozymes: aldolase A, aldolase B, and aldolase C. Studies suggest the potential value of quantitative analysis of aldolase A for hepatocarcinoma (1). Furthermore, the change in aldolase B gene expression levels has also been observed in certain patients with this primary tumor (2, 3).
	Function: Plays a key role in glycolysis and gluconeogenesis. In addition, may also function as scaffolding protein (By similarity).
	Subunit Structure: Homotetramer. Interacts with SNX9 and WAS (By similarity). Interacts with FBP2; the interaction blocks FBP2 inhibition by physiological concentrations of AMP and reduces inhibition by Ca2+.
	Similarity: Belongs to the class I fructose-bisphosphate aldolase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557305
NCBI GeneID	226
NCBI Accession #	NP_000025.1
NCBI GenBank Nucleotide #	NM_000034.3
UniProt Accession #	P04075; Q6FH76; Q6FI10; Q96B15; Q9BWD9; Q9UCN2; B4DXI7

Molecular Weight	Observed: 39 kDa Predicted: 40 kDa
NCBI Official Synonym Full Names	aldolase, fructose-bisphosphate A
NCBI Official Symbol	ALDOA
NCBI Official Synonym Symbols	ALDA; GSD12; HEL-S-87p
NCBI Protein Information	fructose-bisphosphate aldolase A
UniProt Protein Name	Fructose-bisphosphate aldolase A
UniProt Gene Name	ALDOA
UniProt Synonym Gene Names	ALDA

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/polyclonal/aldoa-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326056>