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# anti-ALDOA antibody (AA 66-95)





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Overview	
Quantity:	0.4 mL
Target:	ALDOA
Binding Specificity:	AA 66-95
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALDOA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)
Product Details	
lmmunogen:	A portion of amino acids 66-95 from the human protein was used as the immunogen for this Aldolase antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Rabbit
Purification:	Purified
Target Details	
Target:	ALDOA
Alternative Name:	Aldolase (ALDOA) (ALDOA Products)
Background:	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.

UniProt:

P04075

Pathways:

Ribonucleoside Biosynthetic Process

## **Application Details**

Application Notes:

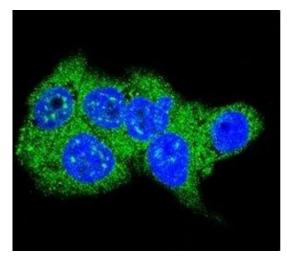
Titration of the Aldolase antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:10-1:50,Immunofluorescence: 1:10-1:50

Restrictions:

For Research Use only

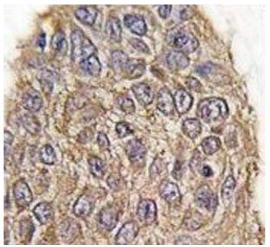
### Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
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:	Aliquot the Aldolase antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



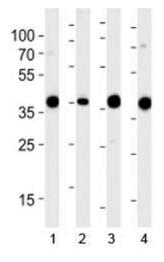
#### **Immunofluorescence**

**Image 1.** Confocal immunofluorescent analysis of Aldolase antibody with HepG2 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).



#### **Immunohistochemistry**

**Image 2.** IHC analysis of FFPE human lung carcinoma tissue stained with Aldolase antibody



### **Western Blotting**

**Image 3.** Western blot analysis of lysate from 1) 293, 2) RD, 3) mouse NIH3T3 and 4) rat L6 cell line using Aldolase antibody at 1:1000. Predicted molecular weight ~40 kDa.

Please check the product details page for more images. Overall 5 images are available for ABIN3029901.