

**ALDOA Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP50972**

**Specification**

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**ALDOA Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P04075</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39 KDa
Antigen Region	11 - 70

**ALDOA Antibody - Additional Information**

**Gene ID** 226

**Other Names**

Fructose-bisphosphate aldolase A, Lung cancer antigen NY-LU-1, Muscle-type aldolase, ALDOA, ALDA

**Target/Specificity**

KLH conjugated synthetic peptide derived from human ALDOA

**Dilution**

WB~~ 1:1000

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**ALDOA Antibody - Protein Information**

**Name** ALDOA ([HGNC:414](#))

**Synonyms** ALDA

**Function**

Catalyzes the reversible conversion of beta-D-fructose 1,6- bisphosphate (FBP) into two triose phosphate and plays a key role in glycolysis and gluconeogenesis (PubMed:<a href="http://www.uniprot.org/citations/14766013" target="\_blank">14766013</a>). In addition, may also function as scaffolding protein (By similarity).

**Cellular Location**

Cytoplasm, myofibril, sarcomere, I band {ECO:0000250|UniProtKB:P00883}. Cytoplasm, myofibril,

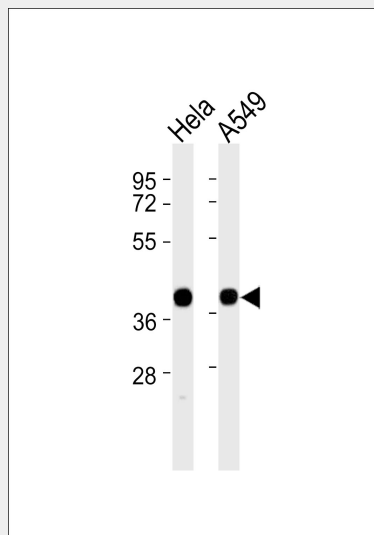
sarcomere, M line {ECO:0000250|UniProtKB:P00883}. Note=In skeletal muscle, accumulates around the M line and within the I band, colocalizing with FBP2 on both sides of the Z line in the absence of Ca(2+) {ECO:0000250|UniProtKB:P00883}

### ALDOA Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### ALDOA Antibody - Images



All lanes : Anti-ALDOA Antibody at 1:1000 dilution Lane 1: HeLa whole cell lysates Lane 2: A549 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 39 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

### ALDOA Antibody - Background

Plays a key role in glycolysis and gluconeogenesis. In addition, may also function as scaffolding protein (By similarity).

### ALDOA Antibody - References

- Sakakibara M., et al. *Biochem. Biophys. Res. Commun.* 131:413-420(1985).  
Izzo P., et al. *Eur. J. Biochem.* 164:9-13(1987).  
Izzo P., et al. *Eur. J. Biochem.* 174:569-578(1988).  
Mukai T., et al. *Eur. J. Biochem.* 195:781-787(1991).  
Ota T., et al. *Nat. Genet.* 36:40-45(2004).