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

Specification

ALDOA Antibody - Product Information

Application	**WB**
Primary Accession	P04075
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:14766013). In addition, may also function as scaffolding protein (By similarity).

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

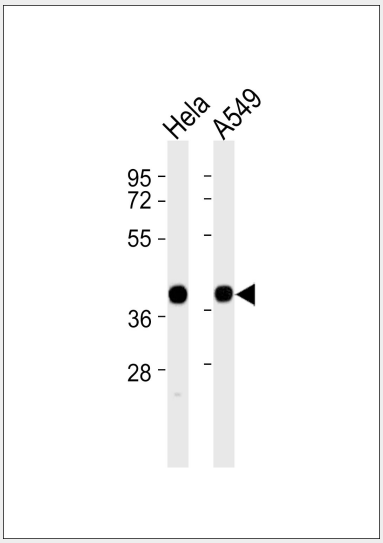
sarcomere, M line {ECO:0000250|UniProtKB:P00883}. Note=In skeletal muscle, accumulates around the M line and within the I band, colocalizing with FBP2 on both sides of the Z line in the absence of Ca(2+) {ECO:0000250|UniProtKB:P00883}

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 Cytomety
- 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).
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Ota T.,et al.Nat. Genet. 36:40-45(2004).