10320 Camino Santa Fe, Suite G
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ALDOA / Aldolase A Antibody (clone 2E6)

Mouse Monoclonal Antibody
Catalog # ALS14509

Specification

ALDOA / Aldolase A Antibody (clone 2E6) - Product Information

Application	**WB, IHC**
Primary Accession	P04075
Reactivity	**Human, Mouse**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**39kDa KDa**

ALDOA / Aldolase A Antibody (clone 2E6) - Additional Information

Gene ID 226

Other Names
Fructose-bisphosphate aldolase A, 4.1.2.13, Lung cancer antigen NY-LU-1, Muscle-type aldolase, ALDOA, ALDA

Target/Specificity
Human ALDOA / Aldolase

Reconstitution & Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
ALDOA / Aldolase A Antibody (clone 2E6) is for research use only and not for use in diagnostic or therapeutic procedures.

ALDOA / Aldolase A Antibody (clone 2E6) - 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}

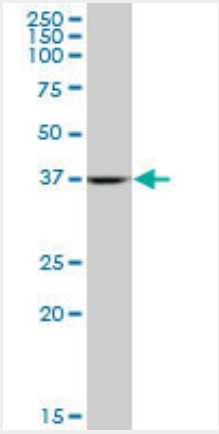
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ALDOA / Aldolase A Antibody (clone 2E6) - Protocols

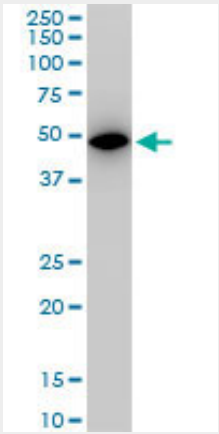
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ALDOA / Aldolase A Antibody (clone 2E6) - Images

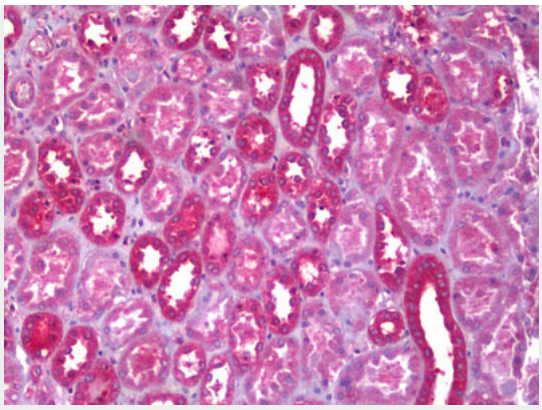


ALDOA monoclonal antibody, clone 2E6. Western blot of ALDOA expression in HepG2.



ALDOA monoclonal antibody, clone 2E6. Western blot of ALDOA expression in NIH/3T3.

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Anti-Aldolase antibody IHC of human kidney, tubules.

ALDOA / Aldolase A Antibody (clone 2E6) - Background

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

ALDOA / Aldolase A Antibody (clone 2E6) - 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).