

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).

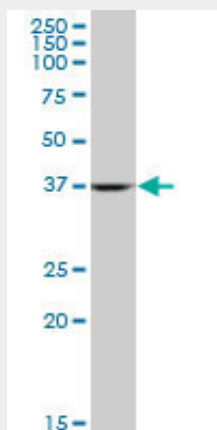
Cellular Location

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}

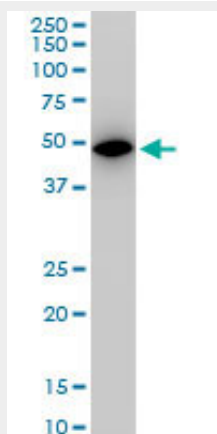
ALDOA / Aldolase A Antibody (clone 2E6) - Protocols

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

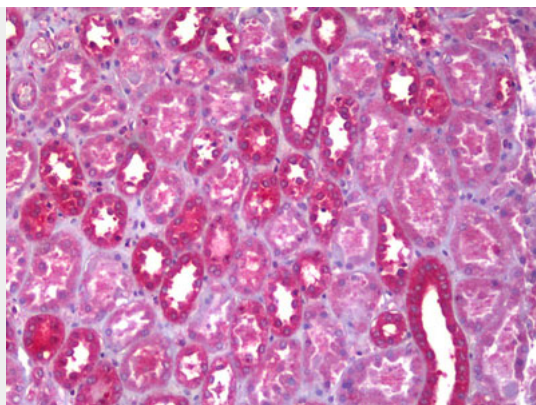
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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.



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).