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ALDOA
Purified Mouse Monoclonal Antibody
Catalog # AO2616a

Specification

ALDOA - Product Information

Application	**E, WB, IHC**
Primary Accession	P04075
Reactivity	**Human, Mouse**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse IgG2a**
Calculated MW	**39.4kDa KDa**

Immunogen
Purified recombinant fragment of human ALDOA (AA: 9-145) expressed in E. Coli.

Formulation
Purified antibody in PBS with 0.05% sodium azide

ALDOA - Additional Information

Gene ID 226

Other Names
ALDA; GSD12; HEL-S-87p

Dilution
E~~ 1/10000
WB~~ 1/500 - 1/2000
IHC~~ 1/200 - 1/1000

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
ALDOA is for research use only and not for use in diagnostic or therapeutic procedures.

ALDOA - 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). 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 - 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 - Images

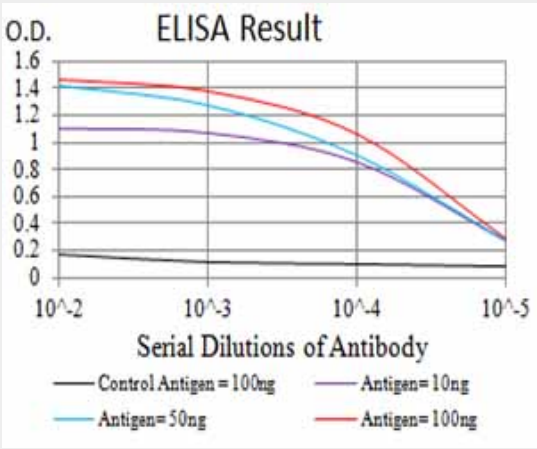

Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

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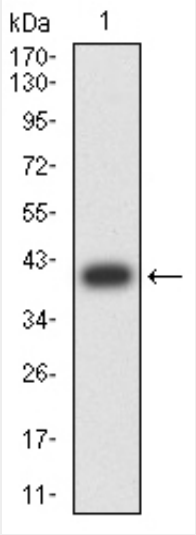

Figure 2:Western blot analysis using ALDOA mAb against human ALDOA (AA: 9-145) recombinant protein. (Expected MW is 40.7 kDa)

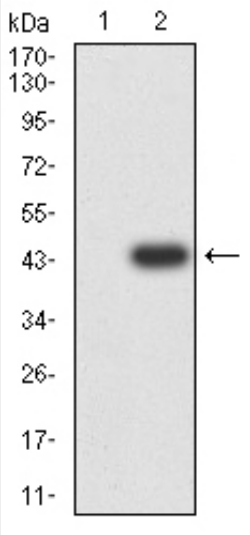

Figure 3:Western blot analysis using ALDOA mAb against HEK293 (1) and ALDOA (AA: 9-145)-hIgGFc transfected HEK293 (2) cell lysate.

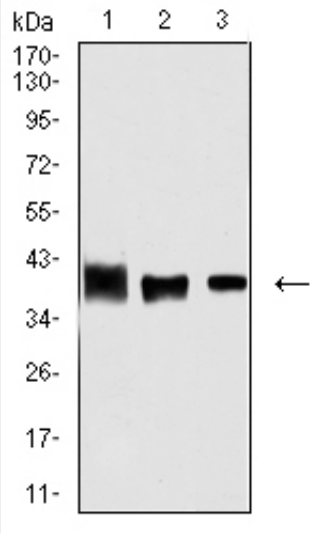

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Figure 4:Western blot analysis using ALDOA mouse mAb against MCF-7 (1), Hela (2), and NIH/3T3 (3) cell lysate.

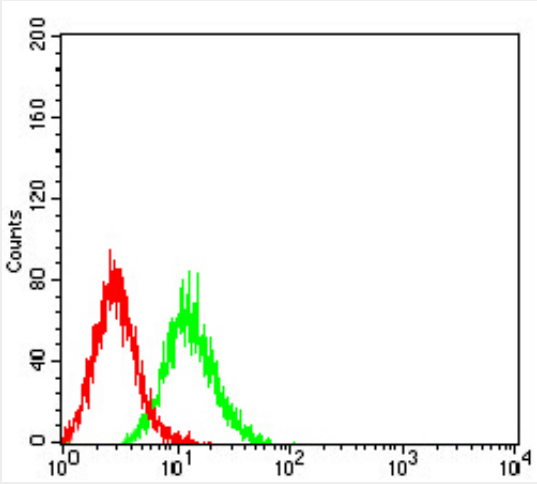

Figure 5:Flow cytometric analysis of K562 cells using ALDOA mouse mAb (green) and negative control (red).

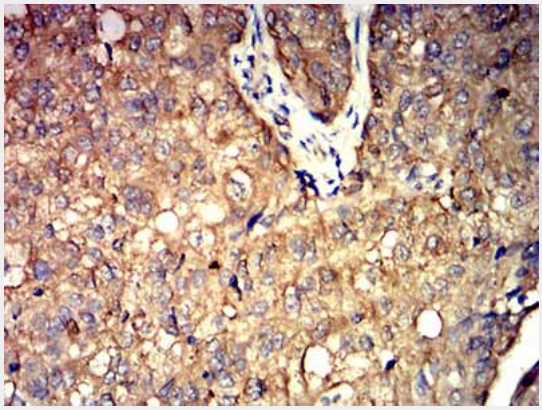

Figure 6:Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using ALDOA mouse mAb with DAB staining.

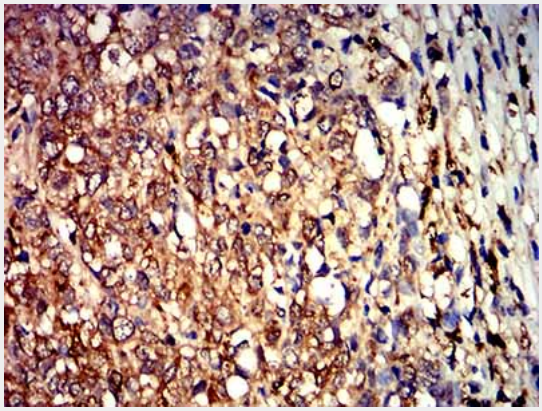

Figure 7:Immunohistochemical analysis of paraffin-embedded breast cancer tissues using ALDOA mouse mAb with DAB staining.

ALDOA - References

1.Cancer Lett. 2016 Apr 28;374(1):127-35. 2.Oncol Rep. 2014 Nov;32(5):2031-7.