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ALDOA Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant ALDOA.
Catalog # AT1115a

Specification

ALDOA Antibody (monoclonal) (M01) - Product Information

Application	**IF, WB**
Primary Accession	P04075
Other Accession	BC010660
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2b Kappa**
Calculated MW	**39420**

ALDOA Antibody (monoclonal) (M01) - Additional Information

Gene ID 226

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

Target/Specificity
ALDOA (AAH10660.1, 1 a.a. ~ 364 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

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

Precautions
ALDOA Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

ALDOA Antibody (monoclonal) (M01) - Protocols

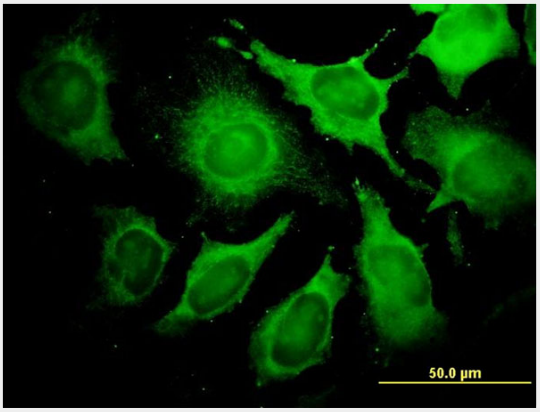
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

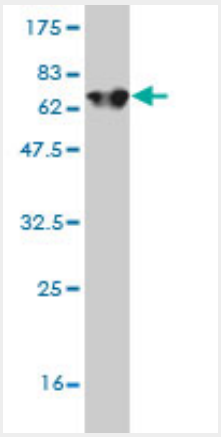
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- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

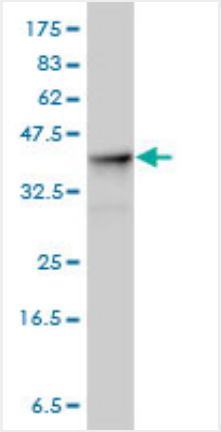
ALDOA Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to ALDOA on HeLa cell. [antibody concentration 10 ug/ml]

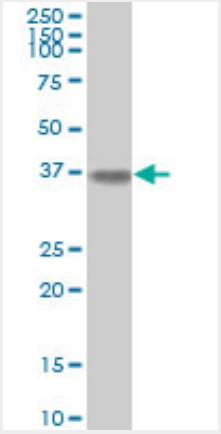


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (65.78 KDa) .

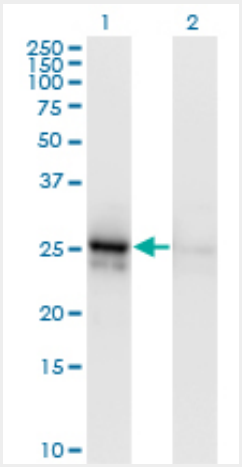


ALDOA monoclonal antibody (M01), clone 3D9-6F3. Western Blot analysis of ALDOA expression in

human omentum, serous carcinoma.



ALDOA monoclonal antibody (M01), clone 3D9-6F3 Western Blot analysis of ALDOA expression in IMR-32 ((Cat # AT1115a)



Western Blot analysis of ALDOA expression in transfected 293T cell line by ALDOA monoclonal antibody (M01), clone 3D9-6F3.

Lane 1: ALDOA transfected lysate (Predicted MW: 39.4 KDa).
Lane 2: Non-transfected lysate.

ALDOA Antibody (monoclonal) (M01) - Background

This gene product, Aldolase A (fructose-bisphosphate aldolase) is a glycolytic enzyme that catalyzes the reversible conversion of fructose-1,6-bisphosphate to glyceraldehyde 3-phosphate and dihydroxyacetone phosphate. Three aldolase isozymes (A, B, and C), encoded by three different genes, are differentially expressed during development. Aldolase A is found in the developing embryo and is produced in even greater amounts in adult muscle. Aldolase A expression is repressed in adult liver, kidney and intestine and similar to aldolase C levels in brain and other nervous tissue. Aldolase A deficiency has been associated with myopathy and hemolytic anemia. Alternative splicing of this gene results in multiple transcript variants which encode the same protein.

ALDOA Antibody (monoclonal) (M01) - References

1.Identification of sperm head proteins involved in zona pellucida binding.Petit FM, Serres C, Bourgeon F, Pineau C, Auer J.Hum Reprod. 2013 Jan 25. [Epub ahead of

print]2.Fructose-1,6-bisphosphate aldolase A is involved in HaCaT cell migration by inducing lamellipodia formation.Tochio T, Tanaka H, Nakata S, Hosoya H.Journal of Dermatological Science (2008), doi:10.1016/j.jdermsci.2010.02.012