10320 Camino Santa Fe, Suite A
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ALDOC Antibody (C-term)
Mouse Monoclonal Antibody (Mab)
Catalog # AW5623

Specification

ALDOC Antibody (C-term) - Product Information

Application	**WB, FC,E**
Primary Accession	P09972
Reactivity	**Human, Mouse, Rat**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**H=39;M=39;R=39 KDa**
Isotype	**IgG3**
Antigen Source	**HUMAN**

ALDOC Antibody (C-term) - Additional Information

Gene ID 230

Antigen Region
1-364

Other Names
Fructose-bisphosphate aldolase C, Brain-type aldolase, ALDOC, ALDC

Dilution
WB~~1:2000
FC~~1:25

Target/Specificity
Purified His-tagged ALDOC protein was used to produced this monoclonal antibody.

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

Precautions
ALDOC Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ALDOC Antibody (C-term) - Protein Information

Name ALDOC (HGNC:418)

Synonyms ALDC

Function
Catalyzes the reversible conversion of beta-D-fructose 1,6- bisphosphate (FBP) into two triose

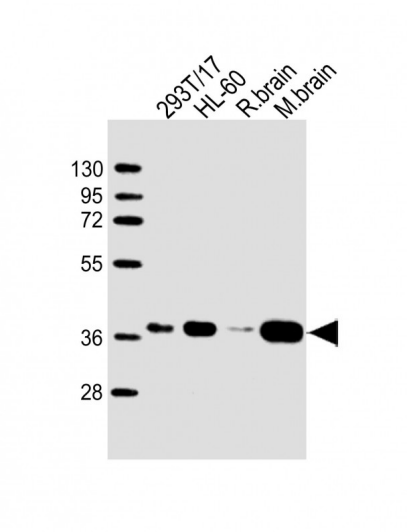
phosphate and plays a key role in glycolysis and gluconeogenesis.

ALDOC Antibody (C-term) - Protocols

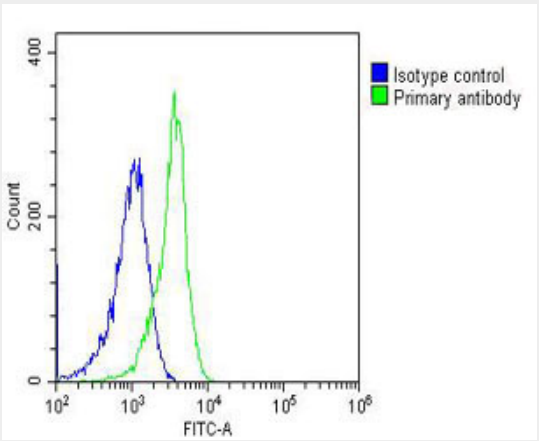
Provided below are standard protocols that you may find useful for product applications.

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

ALDOC Antibody (C-term) - Images



All lanes : Anti-ALDOC Antibody (C-term) at 1:2000 dilution Lane 1: 293T/17 whole cell lysate Lane 2: HL-60 whole cell lysate Lane 3: rat brain lysate Lane 4: mouse brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 39 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Overlay histogram showing HL-60 cells stained with AW5623(green line). The cells were fixed

with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AW5623, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Mouse IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OJ192088) at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was mouse IgG3 (1µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

ALDOC Antibody (C-term) - References

Rottmann W.H., et al. Biochimie 69:137-145(1987).
Buono P., et al. Nucleic Acids Res. 16:4733-4733(1988).
Buono P., et al. Eur. J. Biochem. 192:805-811(1990).
Yu W., et al. Submitted (MAR-1998) to the EMBL/GenBank/DDBJ databases.
Kalnine N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.