

Rabbit anti-Mouse, Rat Aldolase C/ALDOC Polyclonal Antibody | anti-ALDOC antibody

Anti-Aldolase C/ALDOC Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126423	Rabbit	Mouse, Rat	Western Blot, Flow Cytometry, Functional Assay

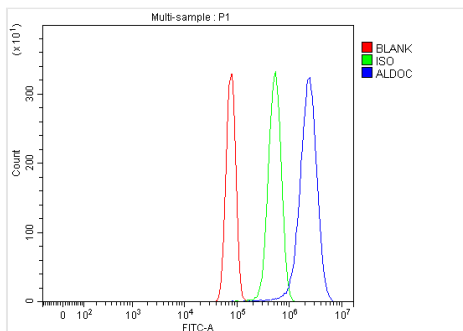
PRODUCT SYNONYMS

Aldolase C/ALDOC; Polyclonal Antibody; Anti-Aldolase C/ALDOC Antibody Picoband; anti-ALDOC antibody

PRODUCT SPECIFICATIONS

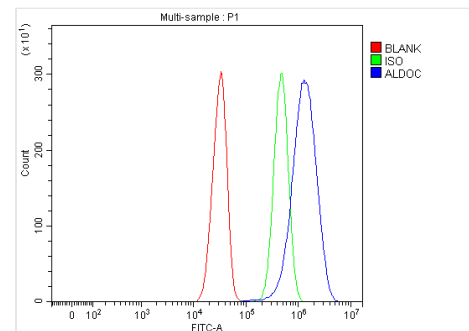
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-ALDOC antibody	WB (Western Blot), FCM/FACS (Flow Cytometry)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence of human Aldolase C/ALDOC (QKDDNGVPFVRTIQDK).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



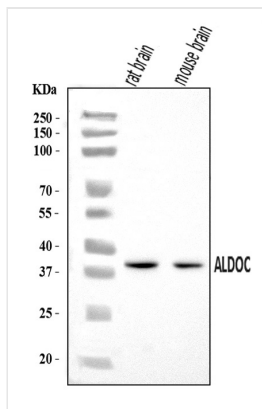
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of RH35 cells using anti-Aldolase C/ALDOC antibody (AAA126423). Overlay histogram showing RH35 cells stained with AAA126423 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Aldolase C/ALDOC Antibody (AAA126423, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of C2C12 cells using anti-Aldolase C/ALDOC antibody (AAA126423). Overlay histogram showing C2C12 cells stained with AAA126423 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Aldolase C/ALDOC Antibody (AAA126423, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of Aldolase C/ALDOC using anti-Aldolase C/ALDOC antibody (AAA126423). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat brain tissue lysates, Lane 2: mouse brain tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Aldolase C/ALDOC antigen affinity purified polyclonal antibody (#AAA126423) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Aldolase C/ALDOC at approximately 39 kDa. The expected band size for Aldolase C/ALDOC is at 39 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ALDOC antibody	Aldolase C, fructose-bisphosphate (ALDOC, or ALDC), is an enzyme that, in humans, is encoded by the ALDOC gene on chromosome 17. This gene encodes a member of the class I fructose-biphosphate aldolase gene family. Expressed specifically in the hippocampus and Purkinje cells of the brain, the encoded protein is a glycolytic enzyme that catalyzes the reversible aldol cleavage of fructose-1,6-biphosphate and fructose 1-phosphate to dihydroxyacetone phosphate and either glyceraldehyde-3-phosphate or glyceraldehyde, respectively.
Product Categories/Family for anti-ALDOC antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885063
NCBI GeneID	230
NCBI Accession #	NP_005156.1
NCBI GenBank Nucleotide #	NM_005165.2
UniProt Accession #	P09972; Q3SYL3; Q6FH94; Q6P0L5; B2R5R3
Molecular Weight	39,456 Da
NCBI Official Full Name	fructose-bisphosphate aldolase C
NCBI Official Synonym Full Names	aldolase C, fructose-bisphosphate
NCBI Official Symbol	ALDOC
NCBI Official Synonym Symbols	ALDC
NCBI Protein Information	fructose-bisphosphate aldolase C; aldolase 3; fructoaldolase C; brain-type aldolase; fructose-1,6-biphosphate triosephosphate lyase
UniProt Protein Name	Fructose-bisphosphate aldolase C

UniProt Gene Name	ALDOC
UniProt Synonym Gene Names	ALDC
UniProt Entry Name	ALDOC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/aldolase-c-aldoc-antibody-western-blot-flow-cytometry-elisa/126423>