

ALDOC Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2736b

Product Information

Application	WB, IHC-P, E
Primary Accession	P09972
Other Accession	P09117 , P05063 , Q9GKW3
Reactivity	Human, Rat, Mouse
Predicted	Monkey, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	39456
Antigen Region	300-333

Additional Information

Gene ID	230
Other Names	Fructose-bisphosphate aldolase C, Brain-type aldolase, ALDOC, ALDC
Target/Specificity	This ALDOC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 300-333 amino acids from the C-terminal region of human ALDOC.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
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.

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

Background

ALDOC is a member of the fructose-biphosphate aldolase protein family. Expressed specifically in the hippocampus and Purkinje cells of the brain, this 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.

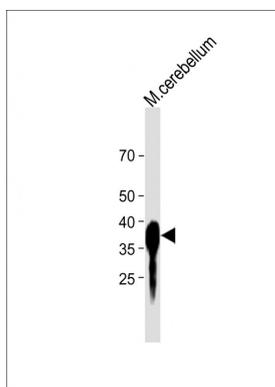
References

Buono,P.,FEBS Lett. 578 (3), 337-344 (2004)

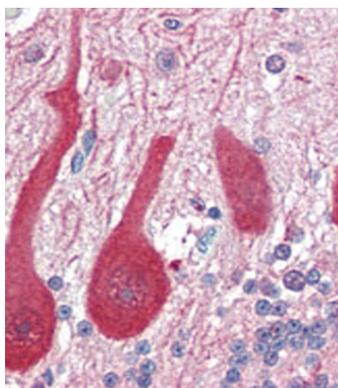
Buono,P.,Nucleic Acids Res. 16 (10), 4733 (1988)

Rottmann,W.H.,Proc. Natl. Acad. Sci. U.S.A. 56 (4), 1275-1282 (1966)

Images



All lanes: Anti-ALDOC Antibody (C-term) at 1:2000 dilution + mouse cerebellum lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 40KDa Blocking/Dilution buffer: 5% NFD/DM/TBST.



Formalin-fixed and paraffin-embedded human Brain, Cerebellum tissue reacted with ALDOC antibody (C-term) (Cat.#AP2736b), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.