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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, Bovine, Canine, Rabbit, Chicken
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

gluconeogenesis.

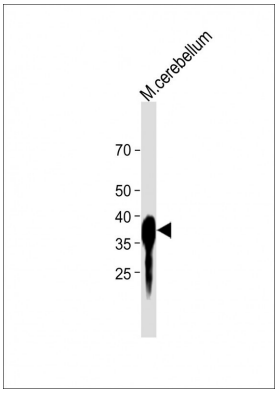
Background

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.

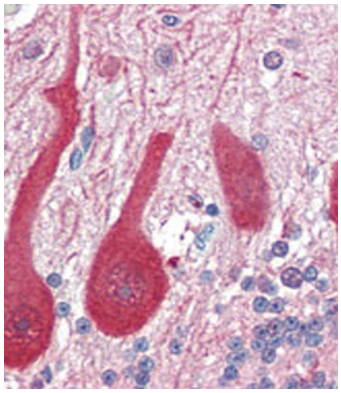
References

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% NFDM/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'.