

ALDOC Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5145

Product Information

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

Additional Information

Gene ID	230
Antigen Region	300-333
Other Names	ALDOC; ALDC; Fructose-bisphosphate aldolase C; Brain-type aldolase
Dilution	IHC-P~~1:100~500 WB~~1:1000
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.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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- biphosphate (FBP) into two triose phosphate and plays a key role in glycolysis and gluconeogenesis.

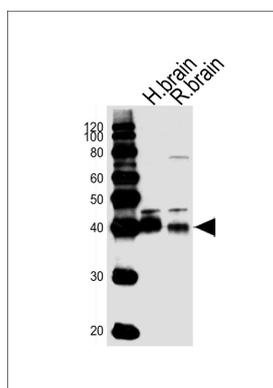
Background

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.

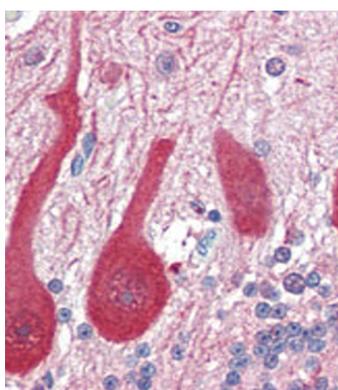
References

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



Western blot analysis of lysates from human brain, rat brain, mouse cerebellum tissue lysate (from left to right), using ALDOC Antibody (C-term)(Cat. #AW5145). AW5145 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.



Formalin-fixed and paraffin-embedded human Brain, Cerebellum tissue reacted with ALDOC antibody (C-term) (Cat.#AW5145), 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'.