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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- bisphosphate (FBP) into two triose phosphate and plays a key role in glycolysis and gluconeogenesis.

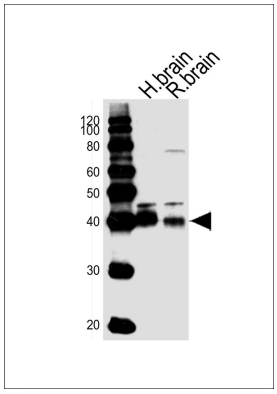
Background

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.

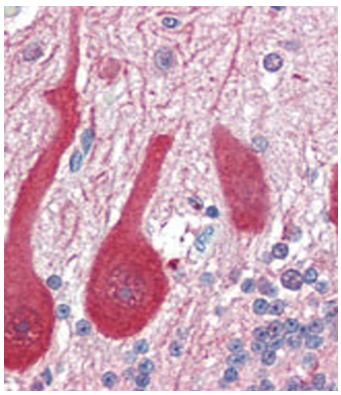
References

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



Western blot analysis of lysates from human brain,rat brain,mouse celebellum 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'.