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ALDOC Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11101a

Product Information

Application	WB, E
Primary Accession	P09972
Other Accession	P05063, Q9GKW3, NP_005156.1
Reactivity	Human
Predicted	Monkey, Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB14983
Calculated MW	39456
Antigen Region	72-101

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 72-101 amino acids from the N-terminal region of human ALDOC.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
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 (N-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.

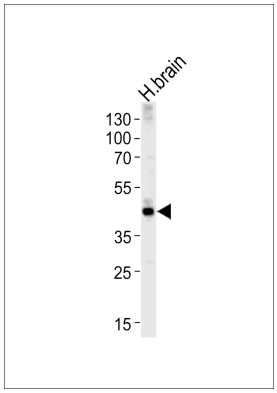
Background

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.

References

Martins-de-Souza, D., et al. J Psychiatr Res 44(14):989-991(2010)
Sultana, R., et al. Antioxid. Redox Signal. 12(3):327-336(2010)
Martins-de-Souza, D., et al. J Psychiatr Res 43(11):978-986(2009)
Martins-de-Souza, D., et al. J Neural Transm 116(3):275-289(2009)
Martins-de-Souza, D., et al. BMC Psychiatry 9, 17 (2009) :

Images



Western blot analysis of lysate from human brain tissue lysate, using ALDOC Antibody (N-term)(Cat. #AP11101a). AP11101a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.

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