

**ALDOC Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP11101a**

## Specification

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### ALDOC Antibody (N-term) - Product Information

|                   |   |
|-------------------|---|
| Application       | WB,E  |
| Primary Accession | <a href="#">P09972</a>  |
| Other Accession   | <a href="#">P05063</a> , <a href="#">Q9GKW3</a> , <a href="#">NP_005156.1</a> |
| Reactivity        | Human   |
| Predicted         | Monkey, Mouse   |
| Host              | Rabbit  |
| Clonality         | Polyclonal  |
| Isotype           | Rabbit IgG  |
| Antigen Region    | 72-101  |

### ALDOC Antibody (N-term) - 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.

### ALDOC Antibody (N-term) - Protein Information

**Name** ALDOC ([HGNC:418](#))

**Synonyms** ALDC

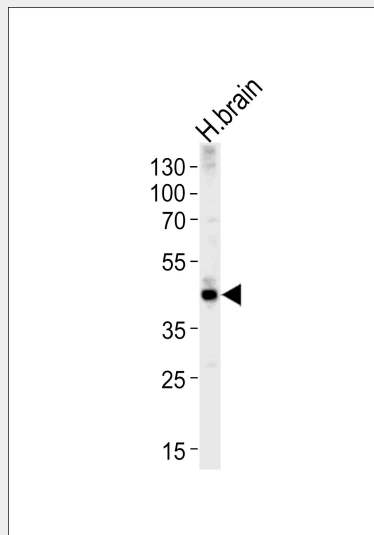
**Function** Catalyzes the reversible conversion of beta-D-fructose 1,6- biphosphate (FBP) into two triose phosphate and plays a key role in glycolysis and gluconeogenesis.

### ALDOC Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### ALDOC Antibody (N-term) - 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.

### ALDOC Antibody (N-term) - 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.

### ALDOC Antibody (N-term) - 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) :