

**Aldolase C (ALDOC) Antibody (CT)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV11306****Specification**

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**Aldolase C (ALDOC) Antibody (CT) - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P09972</a>
Reactivity	Human, Mouse, Rat, Monkey
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	39456

**Aldolase C (ALDOC) Antibody (CT) - Additional Information****Gene ID** 230

Positive Control	Western blot: human brain tissue lysate, IHC: human brain cerebellum.
Application & Usage	Western blot: ~1:1000, IHC: ~1:10-1:50.

**Other Names**

ALDOC; ALDC; Fructose-bisphosphate aldolase C; Fructose-bisphosphate aldolase C; Brain-type aldolase

**Target/Specificity**

ALDOC

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µl of antibody in PBS with 0.09% (W/V) sodium azide

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

Aldolase C (ALDOC) Antibody (CT) is for research use only and not for use in diagnostic or therapeutic procedures.

## **Aldolase C (ALDOC) Antibody (CT) - Protein Information**

**Name** ALDOC

**Synonyms** ALDC

## **Aldolase C (ALDOC) Antibody (CT) - 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](#)

## **Aldolase C (ALDOC) Antibody (CT) - Images**

## **Aldolase C (ALDOC) Antibody (CT) - Background**

Fructose 1, 6-bisphosphate aldolase catalyses the reversible condensation of glyceralone-P and glyceraldehyde 3-phosphate into fructose 1, 6-bisphosphate. Fructose 1, 6-bisphosphate aldolase exists as three forms, the muscle-specific Aldolase A, the liver-specific aldolase B, and the brain-specific aldolase C. Aldolase A, B, and C arose from a common ancestral gene, from which aldolase B first diverged. Aldolase A is one of the most highly conserved enzymes known, with only about 2% of the residues changing per 100 million years. Aldolase B is regulated by the hormones insulin and glucagon and has been implicated in hereditary fructose intolerance disease. Aldolase C is a polypeptide that is exclusively expressed in Purkinje cells. Aldolase C-positive Purkinje cells are organized in the cerebellum as stripes or bands that run from anterior to posterior across the cerebellum and alternate with bands of Aldolase C-negative Purkinje cells.