

Datasheet for ABIN317837

**anti-ALDOB antibody**[Go to Product page](#)**2** Images**1** Publication

## Overview

Quantity:	0.1 mg
Target:	ALDOB
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALDOB antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

Specificity:	This antibody detects endogenous levels of Aldolase B protein.(region surrounding Trp148)
Purification:	Affinity Chromatography using epitope-specific immunogen

## Target Details

Target:	ALDOB
Alternative Name:	Aldolase B / ALDOB ( <a href="#">ALDOB Products</a> )
Background:	<p>Fructose 1,6-bisphosphate Aldolase catalyses the reversible condensation of glyceraldehyde-3-phosphate and fructose 1,6-bisphosphate into fructose 1,6-bisphosphate and glyceraldehyde 3-phosphate.</p> <p>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</p>

## Target Details

known, with only about 2 % of the residues changing per 100 million years. Aldolase B is regulated by the hormones insulin and glucagons and has been implicated in hereditary fructose intolerance disease. Aldolase C is 36 kDa 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. Synonyms: Fructose-bisphosphate aldolase B, Liver-type aldolase

Molecular Weight: approx. 45 kDa

Gene ID: 229

NCBI Accession: [NP\\_000026](#)

UniProt: [P05062](#)

## Application Details

Application Notes: ELISA: 1: 20000 approx. 1: 40000. WB: 1: 500 approx. 1: 1000.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

## Handling

Concentration: 1.0 mg/mL

Buffer: Phosphate buffered saline (PBS), pH ~7.2 with 0.05 % Sodium Azide as preservative

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

## Publications

Product cited in: Walmsley, Freund, Curthoys: "Proteomic profiling of the effect of metabolic acidosis on the apical membrane of the proximal convoluted tubule." in: **American journal of physiology. Renal**

Images

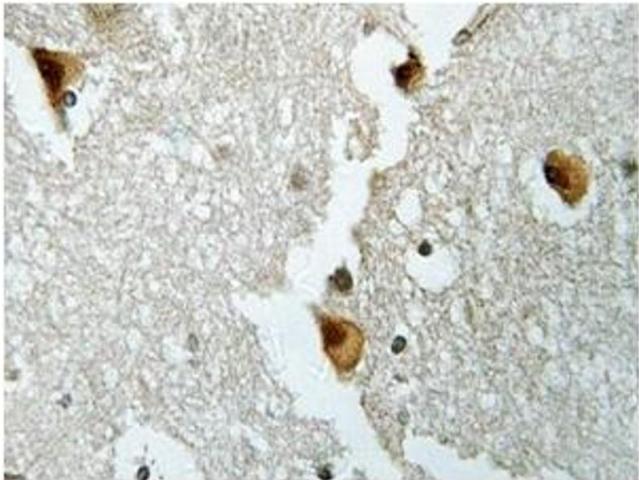


Image 1.



Image 2.