

ALDOB Rabbit pAb

Catalog No.: A3728 **1 Publications**

Basic Information

Observed MW

40kDa

Calculated MW

39kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

Background

Fructose-1,6-bisphosphate aldolase (EC 4.1.2.13) is a tetrameric glycolytic enzyme that catalyzes the reversible conversion of fructose-1,6-bisphosphate to glyceraldehyde 3-phosphate and dihydroxyacetone phosphate. Vertebrates have 3 aldolase isozymes which are distinguished by their electrophoretic and catalytic properties. Differences indicate that aldolases A, B, and C are distinct proteins, the products of a family of related 'housekeeping' genes exhibiting developmentally regulated expression of the different isozymes. The developing embryo produces aldolase A, which is produced in even greater amounts in adult muscle where it can be as much as 5% of total cellular protein. In adult liver, kidney and intestine, aldolase A expression is repressed and aldolase B is produced. In brain and other nervous tissue, aldolase A and C are expressed about equally. There is a high degree of homology between aldolase A and C. Defects in ALDOB cause hereditary fructose intolerance.

Recommended Dilutions

WB 1:500 - 1:1000**IF/ICC** 1:50 - 1:200

Immunogen Information

Gene ID

229

Swiss Prot

P05062

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-200 of human ALDOB (NP_000026.2).

Synonyms

ALDB; ALDO2; ALDOB

Contact

 | www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

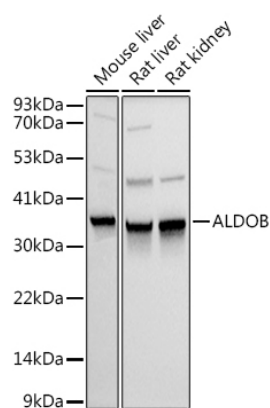
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using ALDOB antibody (A3728) at 1:1000 dilution.

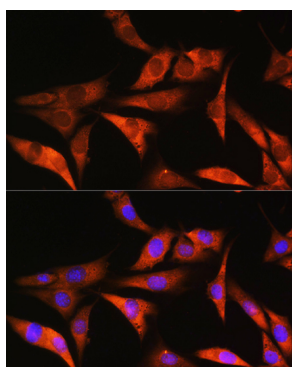
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

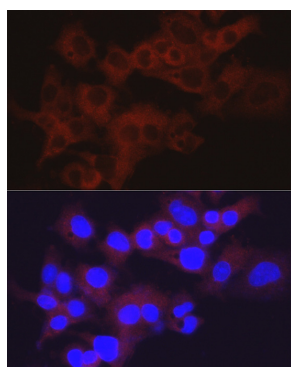
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Immunofluorescence analysis of NIH/3T3 cells using ALDOB Rabbit pAb (A3728) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HepG2 cells using ALDOB Rabbit pAb (A3728) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.