

**Aldolase B Polyclonal Antibody**  
Catalog # AP68375**Specification****Aldolase B Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P05062</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**Aldolase B Polyclonal Antibody - Additional Information**

Gene ID 229

**Other Names**

ALDOB; ALDB; Fructose-bisphosphate aldolase B; Liver-type aldolase

**Dilution**

WB~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**Aldolase B Polyclonal Antibody - Protein Information****Name** ALDOB {ECO:0000303|PubMed:15880727, ECO:0000312|HGNC:HGNC:417}**Function**

Catalyzes the aldol cleavage of fructose 1,6-biphosphate to form two triosephosphates dihydroxyacetone phosphate and D- glyceraldehyde 3-phosphate in glycolysis as well as the reverse stereospecific aldol addition reaction in gluconeogenesis. In fructolysis, metabolizes fructose 1-phosphate derived from the phosphorylation of dietary fructose by fructokinase into dihydroxyacetone phosphate and D-glyceraldehyde (PubMed:<a href="http://www.uniprot.org/citations/10970798" target="\_blank">10970798</a>, PubMed:<a href="http://www.uniprot.org/citations/12205126" target="\_blank">12205126</a>, PubMed:<a href="http://www.uniprot.org/citations/20848650" target="\_blank">20848650</a>). Acts as an adapter independently of its enzymatic activity, exerts a tumor suppressor role by stabilizing the ternary complex with G6PD and TP53 to inhibit G6PD activity and keep oxidative pentose phosphate metabolism in check (PubMed:<a href="http://www.uniprot.org/citations/35122041" target="\_blank">35122041</a>).

**Cellular Location**

Cytoplasm, cytosol. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome,

centriolar satellite

## Aldolase B Polyclonal Antibody - 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 B Polyclonal Antibody - Images





