

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

Application	WB
Primary Accession	P05062
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:10970798, PubMed:12205126, PubMed:20848650). 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:35122041).

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





