

ALDOB Antibody (aa111-160)
Rabbit Polyclonal Antibody
Catalog # ALS15929**Specification****ALDOB Antibody (aa111-160) - Product Information**

Application	IHC, WB
Primary Accession	P05062
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39kDa KDa

ALDOB Antibody (aa111-160) - Additional Information**Gene ID** 229**Other Names**

Fructose-bisphosphate aldolase B, 4.1.2.13, Liver-type aldolase, ALDOB, ALDB

Target/Specificity

ALDOB Antibody detects endogenous levels of total ALDOB protein.

Reconstitution & Storage

Store at -20°C for up to one year.

Precautions

ALDOB Antibody (aa111-160) is for research use only and not for use in diagnostic or therapeutic procedures.

ALDOB Antibody (aa111-160) - Protein Information**Name** ALDOB {ECO:0000303|PubMed:15880727, ECO:0000312|HGNC:HGNC:417}**Function**

Catalyzes the aldol cleavage of fructose 1,6-bisphosphate 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

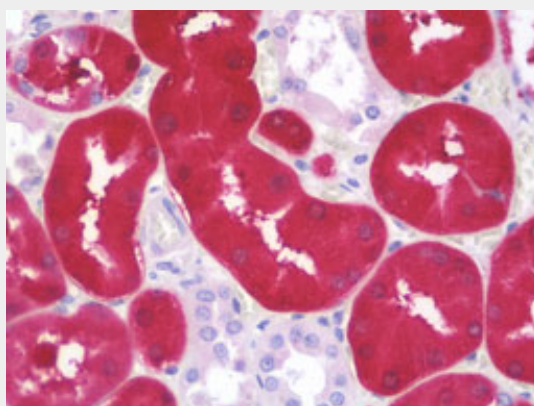
Volume

50 µl

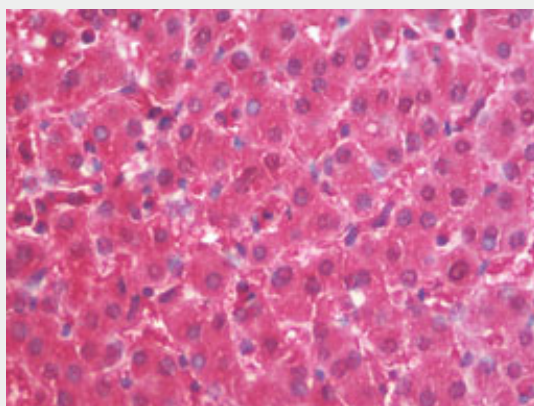
ALDOB Antibody (aa111-160) - Protocols

Provided below are standard protocols that you may find useful for product applications.

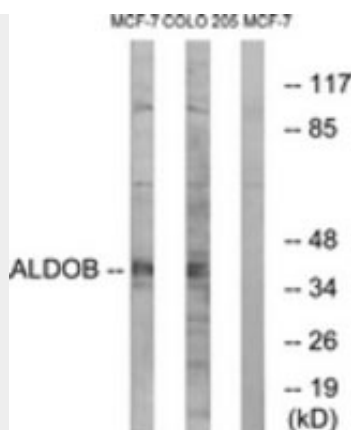
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ALDOB Antibody (aa111-160) - Images

Anti-ALDOB antibody IHC staining of human kidney.



Anti-ALDOB antibody IHC staining of human liver.



Western blot of extracts from MCF-7/HUVEC cells, using ALDOB Antibody.

ALDOB Antibody (aa111-160) - References

- Paoletta G., et al. Nucleic Acids Res. 12:7401-7410(1984).
Sakakibara M., et al. Nucleic Acids Res. 13:5055-5069(1985).
Rottmann W.H., et al. Proc. Natl. Acad. Sci. U.S.A. 81:2738-2742(1984).
Mukai T., et al. J. Biochem. 102:1043-1051(1987).
Tolan D.R., et al. Mol. Biol. Med. 3:245-264(1986).