

For Research Use Only

ALDOB Polyclonal antibody

Catalog Number: 18065-1-AP

Featured Product

30 Publications



Basic Information

Catalog Number: 18065-1-AP	GenBank Accession Number: BC029399	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 µg/ml by Nanodrop;	GeneID (NCBI): 229	Recommended Dilutions: WB 1:2000-1:16000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500
Source: Rabbit	Full Name: aldolase B, fructose-bisphosphate	
Isotype: IgG	Calculated MW: 316 aa, 35 kDa	
Immunogen Catalog Number: AG12695	Observed MW: 35-40 kDa	

Applications

Tested Applications:
IHC, IP, WB, ELISA

Cited Applications:
IF, IHC, IP, WB

Species Specificity:
human, mouse, rat

Cited Species:
human, rat, mouse

Positive Controls:

WB : mouse kidney tissue, mouse liver tissue, mouse brain tissue, Raji cells, mouse skeletal muscle tissue, rat kidney tissue

IP : mouse brain tissue, mouse kidney tissue

IHC : human liver cancer tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Fructose-1,6-bisphosphate aldolase is a glycolytic enzyme that catalyzes the reversible conversion of fructose-1,6-bisphosphate to glyceraldehyde 3-phosphate and dihydroxyacetone phosphate. Vertebrates have 3 aldolase isozymes, aldolase A (ALDOA), B (ALDOB), and C (ALDOC). Deficiency of this enzyme ALDOB causes an accumulation of fructose-1-phosphate after fructose intake, which results in toxic symptoms like vomiting, hypoglycemia, jaundice, elevated liver enzymes and hepatomegaly (PMID:22375183). This antibody may detect ALDOA.

Notable Publications

Author	Pubmed ID	Journal	Application
Chang Zhao	31548586	Sci Rep	WB
Felicia Gerst	30202879	J Clin Endocrinol Metab	
Hao-Long Zeng	29254222	Oncotarget	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

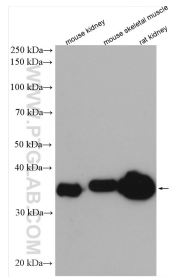
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

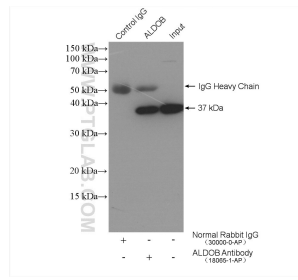
E: proteintech@ptglab.com
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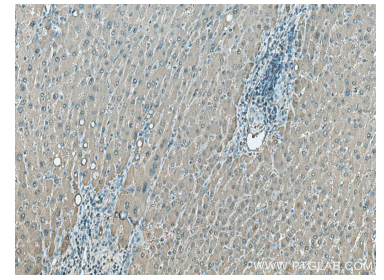
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 18065-1-AP (ALDOB antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



IP result of anti-ALDOB (IP:18065-1-AP, 4 μ g; Detection:18065-1-AP 1:500) with mouse brain tissue lysate 2400 μ g.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 18065-1-AP (ALDOB antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).