

For Research Use Only

ALDOA Polyclonal antibody

Catalog Number: 11217-1-AP

Featured Product

64 Publications



Basic Information

Catalog Number:

11217-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1726

GenBank Accession Number:

BC016800

GeneID (NCBI):

226

UNIPROT ID:

P04075

Full Name:

aldolase A, fructose-bisphosphate

Calculated MW:

39 kDa

Observed MW:

35-40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:100-1:400

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP, RIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, pig, sheep

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

Positive Controls:

WB: HEK-293 cells, HeLa cells, A549 cells, Jurkat cells, mouse liver tissue, rat liver tissue, HepG2 cells, MCF-7 cells, NIH/3T3 cells

IP: HepG2 cells,

IHC: human colon cancer tissue, human lung cancer tissue, human skeletal muscle tissue

IF/ICC: HeLa cells,

Background Information

ALDOA (Fructose-bisphosphate aldolase A) is also named as lung cancer antigen NY-LU-1, muscle-type aldolase, ALDA and belongs to the class I fructose-bisphosphate aldolase family. The ALDOA gene encodes a homotetrameric protein (PMID:14615364). It is found in skeletal muscle and red blood cells, and functions in glycolysis, promoting the reversible cleavage of FBP to triose phosphate, G-3-P and DHAP. ALDOA is upregulated in various cancers, including human lung squamous and renal cell carcinomas (PMID:19937139).

Notable Publications

Author	Pubmed ID	Journal	Application
Bing Sun	27684953	PLoS One	WB
Salvador Polo-Genere	36136852	Noncoding RNA	RIP
Menghui Gu	36247245	Am J Transl Res	IHC, WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

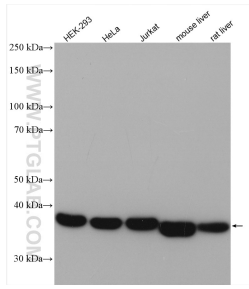
For technical support and original validation data for this product please contact:

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

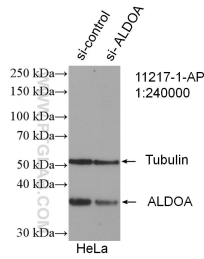
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

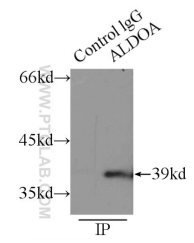
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11217-1-AP (ALDOA antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



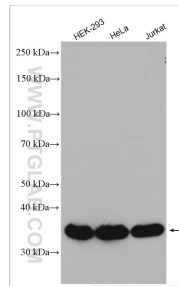
WB result of ALDOA antibody (11217-1-AP; 1:240000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ALDOA transfected HeLa cells.



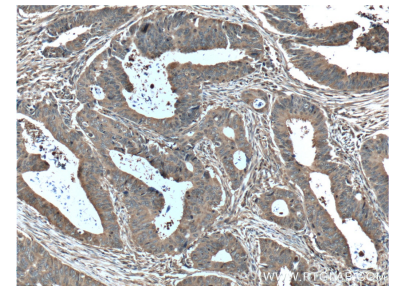
IP result of anti-ALDOA (IP:11217-1-AP, 3ug; Detection:11217-1-AP 1:1000) with HepG2 cells lysate 6000ug.



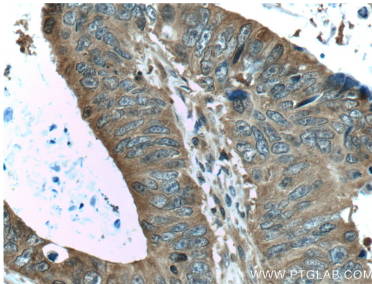
Various lysates were subjected to SDS PAGE followed by western blot with 11217-1-AP (ALDOA antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



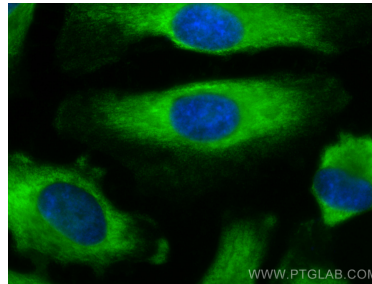
Various lysates were subjected to SDS PAGE followed by western blot with 11217-1-AP (ALDOA antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11217-1-AP (ALDOA Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11217-1-AP (ALDOA Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using ALDOA antibody (11217-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).