

For Research Use Only

ZBP1 Polyclonal antibody

Catalog Number: 13285-1-AP

Featured Product

17 Publications



Basic Information

Catalog Number:

13285-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4119

GenBank Accession Number:

BC028218

GeneID (NCBI):

81030

UNIPROT ID:

Q9H171

Full Name:

Z-DNA binding protein 1

Calculated MW:

46 kDa

Observed MW:

42-68 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

IHC 1:50-1:500

IF/ICC 1:400-1:1600

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human

Cited Species:

human

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 : HeLa cells, HepG2 cells, Jurkat cells

IHC : human liver cancer tissue, human colon cancer tissue

IF/ICC : HeLa cells,

Background Information

ZBP1(Z-DNA-binding protein 1), also named as DAI or DLM-1, is a nucleic acid sensor with some isoforms. It has been reported that ZBP1 can sense the viral nucleic acids of viruses and induce the death of infected cells to prevent virus transmission. ZBP1 can be activated and causes necrocytosis without viral infection, which is associated with nuclear Z-form nucleic acids. ZBP1 can be detected 42 kDa, 55 kDa, 68 kDa isoforms (PMID: 37012234, PMID: 9121465).

Notable Publications

Author	Pubmed ID	Journal	Application
Xuechan Bi	39863598	Cell Death Dis	IHC
L Bai	39545792	Physiol Res	WB
Yuxi Liu	39497239	J Agric Food Chem	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

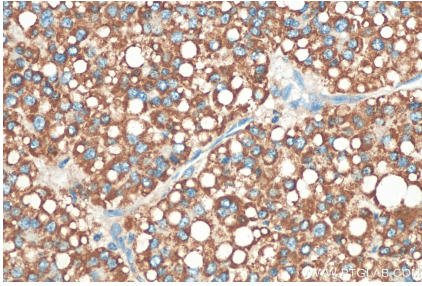
For technical support and original validation data for this product please contact:

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

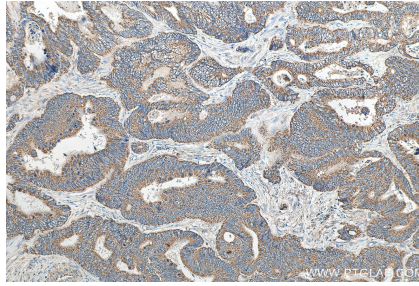
E: proteintech@ptglab.com
W: ptglab.com

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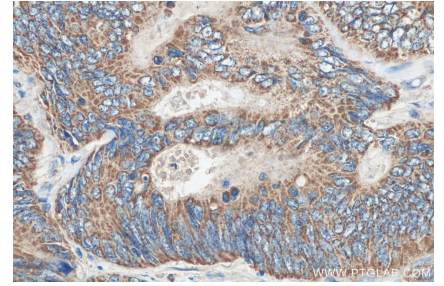
Selected Validation Data



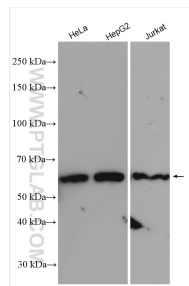
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 13285-1-AP (ZBP1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



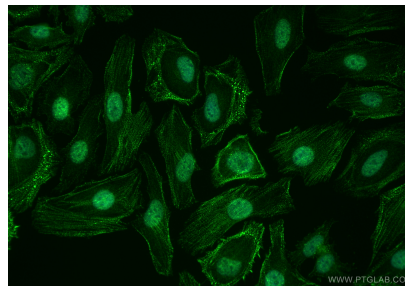
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 13285-1-AP (ZBP1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 13285-1-AP (ZBP1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 13285-1-AP (ZBP1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using ZBP1 antibody (13285-1-AP) at dilution of 1:800 and Multi-rAb Coralite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).