

For Research Use Only

# ZBP1 Recombinant antibody

Catalog Number: 84396-2-RR



## Basic Information

Catalog Number:	84396-2-RR	GenBank Accession Number:	BC028218	Purification Method:	Protein A purification
Size:	1000 µg/ml	GeneID (NCBI):	81030	CloneNo.:	241582E2
Source:	Rabbit	UNIPROT ID:	Q9H171	Recommended Dilutions:	IHC 1:50-1:500 IF/ICC 1:125-1:500
Isotype:	IgG	Full Name:	Z-DNA binding protein 1		
Immunogen Catalog Number:	AG4119	Calculated MW:	46 kDa		

## Applications

Tested Applications:	IHC, IF/ICC, ELISA	Positive Controls:	
Species Specificity:	human	IHC :	human colon cancer tissue,
		IF/ICC :	HeLa cells,

**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

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).

## 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

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

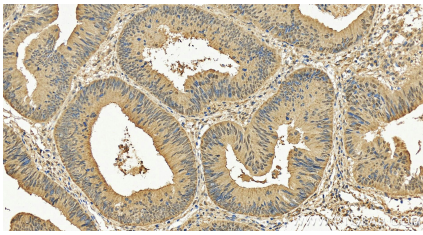
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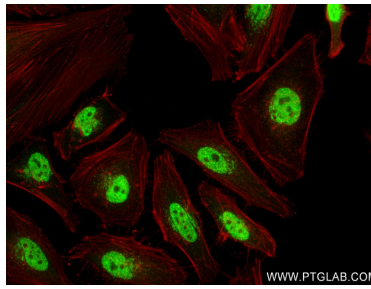
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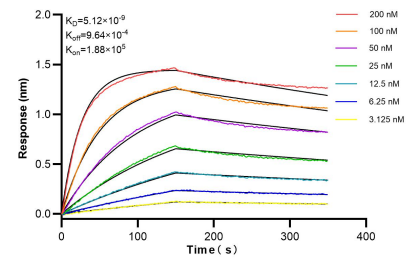
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 84396-2-RR (ZBP1 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using ZBP1 antibody (84396-2-RR, Clone: 241582E2 ) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 84396-2-RR against Human ZBP1 were performed. The affinity constant is 5.12 nM.