

Rabbit ZBP1 Polyclonal Antibody | anti-ZBP1 antibody

ZBP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39817	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

ZBP1; Polyclonal Antibody; ZBP1 Antibody; DAI; DLM1; DLM-1; C20orf183; Z-DNA-binding protein 1; Tumor stroma and activated macrophage protein DLM-1; Z-DNA binding protein 1; anti-ZBP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	ZBP1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	406
Applicable Applications for anti-ZBP1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	ZBP1 antibody was raised against a 18 amino acid synthetic peptide from near the carboxy terminus of human ZBP1.
Buffer	ZBP1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)

Immunofluorescence of ZBP1 in Human Small Intestine tissue with ZBP1 antibody at 20 µg/mL.



IHC (Immunohistochemistry)

Immunohistochemistry of ZBP1 in human small intestine tissue with ZBP1 antibody at 2.5 µg/mL.



WB (Western Blot)

Western blot analysis of ZBP1 in mouse small intestine tissue lysate with ZBP1 antibody at (A) 0.5, (B) 1 and (C) 2 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-ZBP1 antibody	ZBP1 Antibody: Z-DNA binding protein 1 (ZBP1) belongs to a family of proteins that contain the Zalpha domain which binds specifically to left-handed Z-DNA and Z-RNA. ZBP1 was initially identified as a novel gene that was up-regulated in activated macrophages in mice bearing ascites tumors, suggesting that is may play a role in processes such as host response in neoplasia. More recent reports indicate that the cytosolic ZBP1 has can act like the toll-like receptor TLR9 by detecting cytosolic double-stranded (ds) DNA and trigger induction of type I interferon and other innate immune responses. It is thought that the binding of ZBP1 to dsDNA enhances its association with innate immune response proteins such as the IRF3 transcription factor and the serine/threonine kinase TBK1 (also known as NAK). Multiple isoforms of ZBP1 are known to exist.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	119595916
NCBI GeneID	81030
UniProt Accession #	Q9H171; Q5JY39; Q9BYW4; A2A2F7; B3KVA1; F5GYT1
Molecular Weight	38,220 Da
NCBI Official Full Name	Z-DNA binding protein 1, isoform CRA_b
NCBI Official Synonym Full Names	Z-DNA binding protein 1
NCBI Official Symbol	ZBP1
NCBI Official Synonym Symbols	DAI; DLM1; DLM-1; C20orf183
NCBI Protein Information	Z-DNA-binding protein 1; DNA-dependent activator of IRFs; DNA-dependent activator of IFN-regulatory factors; tumor stroma and activated macrophage protein DLM-1; DNA-dependent activator of interferon regulatory factors
UniProt Protein Name	Z-DNA-binding protein 1
UniProt Gene Name	ZBP1
UniProt Synonym Gene Names	C20orf183; DLM1
UniProt Entry Name	ZBP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.