

Rabbit anti-Mouse, Rat DAI/Zbp1 Polyclonal Antibody | anti-ZBP1 antibody

Anti-DAI/Zbp1 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126400	Rabbit	Mouse, Rat	ELISA, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

DAI/Zbp1; Polyclonal Antibody; Anti-DAI/Zbp1 Antibody Picoband; anti-ZBP1 antibody

PRODUCT SPECIFICATIONS

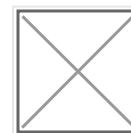
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-ZBP1 antibody	ELISA, IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived mouse DAI/Zbp1 recombinant protein (Position: A2-D382).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



IF (Immunofluorescence)

Figure 2. IF analysis of DAI/Zbp1 using anti-DAI/Zbp1 antibody (AAA126400).DAI/Zbp1 was detected in an immunocytochemical section of RM-1 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-DAI/Zbp1 Antibody (AAA126400) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of DAI/Zbp1 using anti-DAI/Zbp1 antibody (AAA126400).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: rat liver tissue lysates,Lane 2: mouse kidney tissue lysates,Lane 3: mouse HEPA1-6 whole cell lysates,Lane 4: rat thymus tissue lysates,Lane 5: mouse thymus tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-DAI/Zbp1 antigen affinity purified polyclonal antibody (#AAA126400) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for DAI/Zbp1 at approximately 63 kDa. The expected band size for DAI/Zbp1 is at 63 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ZBP1 antibody	Z-DNA-binding protein 1, also known as DNA-dependent activator of IFN-regulatory factors (DAI) and DLM-1, is a protein that in humans is encoded by the ZBP1 gene. This gene encodes a Z-DNA binding protein. The encoded protein plays a role in the innate immune response by binding to foreign DNA and inducing type-I interferon production. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Product Categories/Family for anti-ZBP1 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	213417964
NCBI GeneID	58203
NCBI Accession #	NP_001132991.1
NCBI GenBank Nucleotide #	NM_001139519.1
UniProt Accession #	Q9QY24; Q8VE02; Q9D8B9
Molecular Weight	20,569 Da
NCBI Official Full Name	Z-DNA-binding protein 1 isoform 2
NCBI Official Synonym Full Names	Z-DNA binding protein 1
NCBI Official Symbol	Zbp1
NCBI Official Synonym Symbols	Dai; Dlm1; mZaDLM; 2010010H03Rik
NCBI Protein Information	Z-DNA-binding protein 1
UniProt Protein Name	Z-DNA-binding protein 1
UniProt Gene Name	Zbp1
UniProt Synonym Gene Names	Dlm1; DAI

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dai-zbp1-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/126400>