

ZBP1 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 253801

Unit: 0.1 mg

Description:

Z-DNA binding protein 1 (ZBP1) belongs to a family of proteins that contain the Z alpha 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 it may play a role in processes such as host response in neoplasia. More recent reports indicate that the cytosolic ZBP1 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.

Isotype: Rabbit Ig

Applications: E, IF, IHC, WB

Species Reactivity: H, M, R

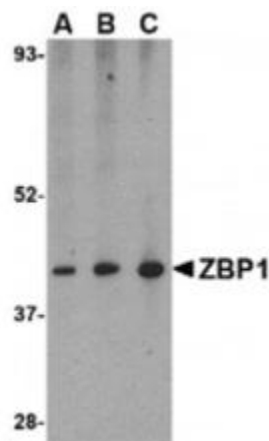
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: ZBP1; Z-DNA binding protein 1; DLM-1; DAI; DLM1

Accession No.: EAW75510

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human ZBP1.

Application Notes: E: 1:1000-1:10000; WB: 1:500-1:2000; IHC: 1:100-1:500; IF: 50-1:500



Western blot analysis of ZBP1 in mouse small intestine tissue lysate with ZBP1 Antibody (Cat. No. 253801) at (A) 0.5, (B) 1 and (C) 2 ug/ml.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.