

Datasheet for ABIN1169142
anti-ZBP1 antibody (AA 1-411)[Go to Product page](#)

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Overview

Quantity:	100 µg
Target:	ZBP1
Binding Specificity:	AA 1-411
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant mouse ZBP1 (aa 1-411)
Clone:	Zippy-1
Isotype:	IgG2a
Specificity:	Recognizes human and mouse ZBP1.
Cross-Reactivity:	Human, Mouse (Murine)
Purification:	Purified from concentrated hybridoma tissue culture supernatant.
Purity:	>95 % (SDS-PAGE)

Target Details

Target:	ZBP1
Alternative Name:	ZBP1 (ZBP1 Products)

Target Details

Background: ZBP1 is an interferon inducible protein that binds to cytoplasmic DNA and plays a role in host defense against tumors and pathogens. ZBP1 is highly expressed in lymphatic tissues including lymph node, leukocytes, tonsil, bone marrow and spleen. ZBP1 is an innate immune sensor of Influenza A virus (IAV). ZBP1 regulates NLRP3 (nucleotide and oligomerization domain, leucine-rich repeat-containing protein family, pyrin domain containing 3) inflammasome activation as well as induction of different types of cell death (apoptosis, necroptosis and pyroptosis) during IAV infection.

UniProt: [Q9H171](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: In PBS containing 10 % glycerol and 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

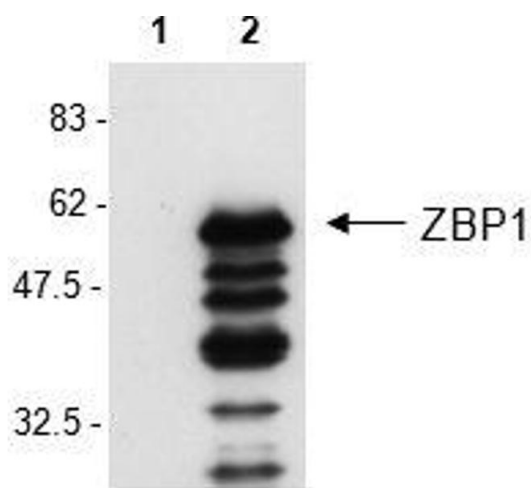
Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Stable for at least 1 year after receipt when stored at -20°C.

Expiry Date: 12 months

Publications

Product cited in: Sobolik-Delmaire, Reddy, Pashaj, Roberts, Wahl: "Plakophilin-1 localizes to the nucleus and interacts with single-stranded DNA." in: **The Journal of investigative dermatology**, Vol. 130, Issue 11, pp. 2638-46, (2010) ([PubMed](#)).



Western Blotting

Image 1. Western Blot analysis of mouse ZBP1 in L929 cells by using anti-ZBP1, mAb (Zippy-1). Cell extracts from L929 cell either unstimulated (lane 1) or stimulated for 24h with poly(dA.dT) poly(dT.dA) at 3µg/ml (lane 2) were resolved by SDS-PAGE under reducing conditions, transferred to nitrocellulose and incubated with the anti-ZBP1, mAb (Zippy-1) at a 1:1000 dilution for 1 hour. Proteins were visualized using a peroxidase-conjugated polyclonal antibody to mouse IgG and a chemiluminescence detection system. The multiple bands represent isoforms or degradation products of ZBP1 since they are down regulated upon ZBP1 siRNA treatment (data not shown).