

ZC3H12A Antibody

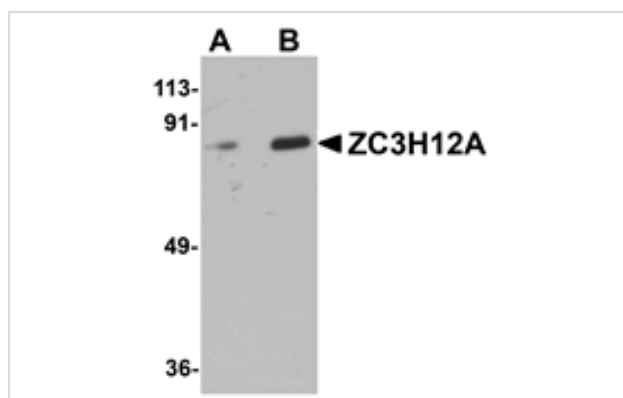
Catalog No: #25085

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Description

Product Name	ZC3H12A Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB
Species Reactivity	Hu
Immunogen Type	Peptide
Immunogen Description	Raised against a 17 amino acid peptide near the center of human ZC3H12A.
Target Name	ZC3H12A
Other Names	Zinc finger CCCH-type containing 12A, MCP-1-induced protein, MCPIP, MCPIP1
Accession No.	Swiss-Prot:Q5D1E8Gene ID:80149
Uniprot	Q5D1E8
GeneID	80149;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of ZC3H12A in Raji cell lysate with ZC3H12A antibody at (A) 1 and (B) 2 ug/mL.

Background

ZC3H12A, also known as MCPIP, is an essential member of a family of novel CCCH-zinc finger proteins that regulate macrophage activation and may be involved in host immunity and inflammatory diseases. ZC3H12A has RNase activity that prevents some immune disorders by directly affecting the mRNA stability of interleukins such as IL-6 and IL12p40. Mice lacking the ZC3H12A gene suffered from severe anemia, and most dies within 12 weeks. Overexpression of ZC3H12A causes ER stress and induces a number of genes involved in apoptosis and autophagy, including JNK, PUMA, and beclin-1 in cardiac myoblasts, leading to cell death. ZC3H12A can also induce adipogenesis in 3T3-L1 pre-adipocytes in the absence of PPAPgamma, demonstrating the complex roles ZC3H12A plays.

Note: This product is for in vitro research use only