

ZC3H12D Antibody

Catalog # ASC11101

Product Information

Application	WB, E
Primary Accession	A2A288
Other Accession	EAW47801 , 119568186
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	58078
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	ZC3H12D antibody can be used for detection of ZC3H12D by Western blot at 1 μ g/mL.

Additional Information

Gene ID	340152
Other Names	Probable ribonuclease ZC3H12D, 3.1.-., MCP-induced protein 4, Transformed follicular lymphoma, Zinc finger CCCH domain-containing protein 12D, p34, ZC3H12D
Target/Specificity	ZC3H12D;
Reconstitution & Storage	ZC3H12D antibody can be stored at 4°C for three months and -20°C, stable for up to 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.
Precautions	ZC3H12D Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ZC3H12D
Synonyms	C6orf95, MCPIP4 {ECO:0000303 PubMed:1817
Function	May regulate cell growth likely by suppressing RB1 phosphorylation (PubMed: 19531561). May function as RNase and regulate the levels of target RNA species (Potential). In association with ZC3H12A enhances the degradation of interleukin IL-6 mRNA level in activated macrophages (PubMed: 26134560). Serve as a tumor suppressor in certain leukemia cells (PubMed: 17210687). Overexpression inhibits the G1 to S phase progression through suppression of RB1 phosphorylation (PubMed: 19531561).

Cellular Location	Cytoplasm, P-body. Note=Colocalizes with ZC3H12A in GW bodies (GWBs) (PubMed:26134560) [Isoform 3]: Cytoplasm. Nucleus.
Tissue Location	Expressed in normal human lymphocytes but defective in some leukemia/lymphoma cell lines.

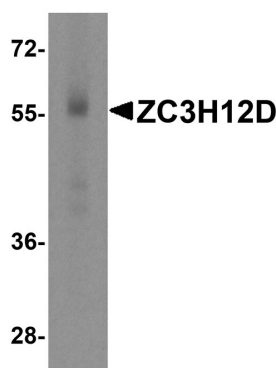
Background

ZC3H12D Antibody: ZC3H12D, also known as MCP4, is a member of a family of novel CCCH-zinc finger proteins that includes ZC3H12A, a protein that is thought to be involved in macrophage activation, host immunity and inflammatory diseases. ZC3H12D is highly expressed in spleen, intestine, and colon. Similar to ZC3H12A and ZC3H12C, ZC3H12D expression in murine macrophages is also increased after treatment with lipopolysaccharide (LPS), although not to the same level as ZC3H12A. This pattern of expression was not duplicated in human-derived macrophages, suggesting it also may play a different role in host immunity and inflammatory response.

References

Zhou L, Azfer A, Niu J, et al. Monocyte chemoattractant protein-1 induces a novel transcription factor that causes cardiac myocyte apoptosis and ventricular dysfunction. *Circ. Res.*2006; 98:1177-85.
Liang J, Wang J, Azfer A, et al. A novel CCCH-zinc finger protein family regulates proinflammatory activation of macrophages. *J. Biol. Chem.*2008; 283:6337-46.

Images



Western blot analysis of ZC3H12D in human spleen tissue lysate with ZC3H12D antibody at 1 µg/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.