



Datasheet for ABIN2856778
anti-ZC3H12A antibody



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Overview

Quantity:	100 µL
Target:	ZC3H12A
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human ZC3H12A. The exact sequence is proprietary.
Isotype:	IgG
Specificity:	Knockdown/Knockout validation was supported by references (PMID:27322373)
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to ZC3H12A (zinc finger CCCH-type containing 12A) ZC3H12A antibody [N3C3]
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

Target Details

Target:	ZC3H12A
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Target Details

Alternative Name:	zinc finger CCCH-type containing 12A (ZC3H12A Products)
Background:	ZC3H12A is an MCP1 (CCL2, MIM 158105)-induced protein that acts as a transcriptional activator and causes cell death of cardiomyocytes, possibly via induction of genes associated with apoptosis.[supplied by OMIM] Cellular Localization: Cytoplasm (By similarity) , Nucleus
Molecular Weight:	66 kDa
Gene ID:	80149
UniProt:	Q5D1E8
Pathways:	Cellular Response to Molecule of Bacterial Origin , Positive Regulation of fat Cell Differentiation

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Validatio: KO/KD, Orthogonal
Restrictions:	For Research Use only

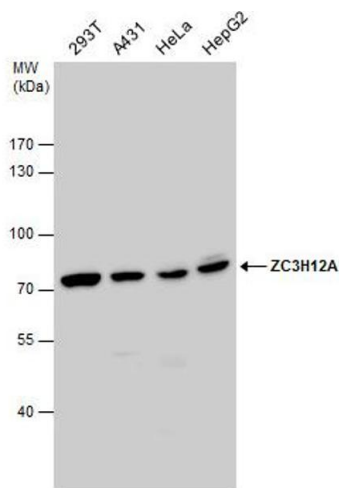
Handling

Format:	Liquid
Concentration:	1.8 mg/mL
Buffer:	1XPBS pH 7, 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Product cited in: Wu, Ming, Zhang, Wu, Wu, Yao: "Edaravone rescues the lung by inhibiting lipid peroxidation and pro-inflammatory cytokines in a rat model." in: **Chinese medical journal**, Vol. 127, Issue 5, pp. 968-70, (2014) ([PubMed](#)).

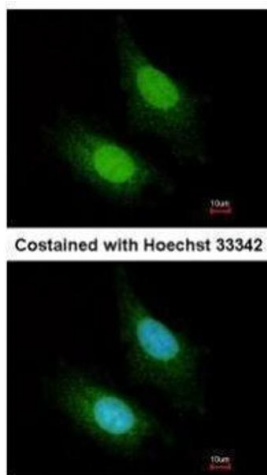
Chen, Wei, Zhuang, Qiao, Tang, Zhang, Wei, Fang, Chen, Du, Huang, Jiang, Hu, Hua: "Proteomic screening of anaerobically regulated promoters from Salmonella and its antitumor applications." in: **Molecular & cellular proteomics : MCP**, Vol. 10, Issue 6, pp. M111.009399, (2011) ([PubMed](#)).

Validation report #101762 for Western Blotting (WB)



Western Blotting

Image 1. WB Image ZC3H12A antibody detects ZC3H12A protein by western blot analysis. Various whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with ZC3H12A antibody, diluted at a dilution of 1:1000.



Immunofluorescence

Image 2. ICC/IF Image Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using ZC3H12A, antibody at 1:200 dilution.