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Datasheet for ABIN7160267

anti-ZFP36L2 antibody (AA 219-321) (HRP)

Overview

Quantity:	100 µg
Target:	ZFP36L2
Binding Specificity:	AA 219-321
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ZFP36L2 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human mRNA decay activator protein ZFP36L2 protein (219-321AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	ZFP36L2
Alternative Name:	ZFP36L2 (ZFP36L2 Products)
Background:	Background: Zinc-finger RNA-binding protein that destabilizes several cytoplasmic AU-rich element (ARE)-containing mRNA transcripts by promoting their poly(A) tail removal or

deadenylation, and hence provide a mechanism for attenuating protein synthesis (PubMed:25106868, PubMed:14981510). Acts as a 3'-untranslated region (UTR) ARE mRNA-binding adapter protein to communicate signaling events to the mRNA decay machinery (PubMed:25106868). Functions by recruiting the CCR4-NOT deadenylase complex and probably other components of the cytoplasmic RNA decay machinery to the bound ARE-containing mRNAs, and hence promotes ARE-mediated mRNA deadenylation and decay processes (PubMed:25106868). Binds to 3'-UTR ARE of numerous mRNAs (PubMed:20506496, PubMed:25106868, PubMed:14981510). Promotes ARE-containing mRNA decay of the low-density lipoprotein (LDL) receptor (LDLR) mRNA in response to phorbol 12-myristate 13-acetate (PMA) treatment in a p38 MAPK-dependent manner (PubMed:25106868). Positively regulates early adipogenesis by promoting ARE-mediated mRNA decay of immediate early genes (IEGs). Plays a role in mature peripheral neuron integrity by promoting ARE-containing mRNA decay of the transcriptional repressor REST mRNA. Plays a role in ovulation and oocyte meiotic maturation by promoting ARE-mediated mRNA decay of the luteinizing hormone receptor LHCGR mRNA. Acts as a negative regulator of erythroid cell differentiation: promotes glucocorticoid-induced self-renewal of erythroid cells by binding mRNAs that are induced or highly expressed during terminal erythroid differentiation and promotes their degradation, preventing erythroid cell differentiation. In association with ZFP36L1 maintains quiescence on developing B lymphocytes by promoting ARE-mediated decay of several mRNAs encoding cell cycle regulators that help B cells progress through the cell cycle, and hence ensuring accurate variable-diversity-joining (VDJ) recombination process and functional immune cell formation. Together with ZFP36L1 is also necessary for thymocyte development and prevention of T-cell acute lymphoblastic leukemia (T-ALL) transformation by promoting ARE-mediated mRNA decay of the oncogenic transcription factor NOTCH1 mRNA.

Aliases: BRF2 antibody, Butyrate response factor 2 antibody, C3H1 type-like 2 antibody, EGF response factor 2 antibody, EGF-response factor 2 antibody, ERF 2 antibody, ERF-2 antibody, ERF2 antibody, Protein TIS11D antibody, RNF162C antibody, TIS11D antibody, TISD_HUMAN antibody, ZFP36 like 2 antibody, ZFP36 ring finger protein like 2 antibody, ZFP36-like 2 antibody, Zfp36l2 antibody, Zinc finger protein 36 antibody, Zinc finger protein 36, C3H type like 1 antibody, zinc finger protein 36, C3H type like 2 antibody, Zinc finger protein 36, C3H1 type like 2 antibody, Zinc finger protein, C3H type, 36 like 2 antibody

UniProt: [P47974](#)

Pathways: [Stem Cell Maintenance](#)

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.