

For Research Use Only

ZFP36L1/2 Polyclonal antibody

Catalog Number: 12306-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:	12306-1-AP	GenBank Accession Number:	BC018340	Purification Method:	Antigen affinity purification
Size:	150ul , Concentration: 400 ug/ml by Nanodrop;	GeneID (NCBI):	677	Recommended Dilutions:	WB 1:500-1:1000 IHC 1:50-1:500 IF/ICC 1:50-1:500
Source:	Rabbit	UNIPROT ID:	Q07352		
Isotype:	IgG	Full Name:	zinc finger protein 36, C3H type-like 1		
Immunogen Catalog Number:	AG2952	Calculated MW:	338 aa, 36 kDa		
		Observed MW:	45-50 kDa		

Applications

Tested Applications:	WB, IHC, IF/ICC, ELISA	Positive Controls:	
Cited Applications:	WB, IHC, IF	WB :	U-937 cells, 3T3-L1 cells, RAW 264.7 cells, HeLa cells
Species Specificity:	human, mouse, rat	IHC :	rat ovary tissue,
Cited Species:	human, mouse	IF/ICC :	HepG2 cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			

Background Information

ZFP36L1, also named as Butyrate response factor 1 or TPA-induced sequence 11b, is a 338 amino acid protein, which is phosphorylated by RPS6KA1 at Ser-334 upon phorbol 12-myristate 13-acetate (PMA) treatment. ZFP36 encodes tristetraprolin (TTP) the prototype of a small family of RBPs, called the ZFP36 family, that are characterised by highly conserved tandem CCCH zinc-finger RNA-binding domains [PMID: 10751406]. ZFP36 is a RBP that promotes RNA decay and negatively regulates the expression of the myogenic regulatory factor MyoD by binding to the 3'UTR of MyoD mRNA [PMID: 25815583]. Mouse satellite cells from Zfp36-deficient mice express increased amounts of MyoD and display impaired satellite activation, demonstrating a role for ZFP36 in the maintenance of quiescence [PMID: 25815583]. The functions of the ZFP36L1 and ZFP36L2 family members have not been evaluated in skeletal muscle stem cell fate, but have been shown to act redundantly to promote quiescence during lymphocyte development. ZFP36L1 has been implicated in the persistence of the marginal zone B lymphocyte population. ZFP36L1 exists three isoform through blasting on NCBI database and can be phosphorylated, so the range of the molecular weight of ZFP36L1 is about 40-50 kDa. (PMID: 26180518, PMID: 17030620). This antibody recognizes both ZFP36L1 and ZFP36L2.

Notable Publications

Author	Pubmed ID	Journal	Application
Weirui Ma	30449617	Cell	IF
Xiao Feng	33473330	Mol Ther Nucleic Acids	IF
Fang Wu	34131106	Cell Death Dis	WB,IHC,IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:

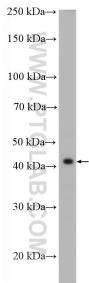
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com

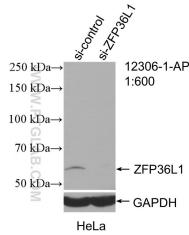
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



U-937 cells were subjected to SDS PAGE followed by western blot with 12306-1-AP (ZFP36L1/2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



WB result of ZFP36L1/2 antibody (12306-1-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-ZFP36L1/2 transfected HeLa cells.

