

For Research Use Only

ZFP36L1/2 Polyclonal antibody, PBS Only

Catalog Number: 12306-1-PBS

Featured Product



Basic Information

Catalog Number:

12306-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2952

GenBank Accession Number:

BC018340

GeneID (NCBI):

677

UNIPROT ID:

Q07352

Full Name:

zinc finger protein 36, C3H type-like 1

Calculated MW:

338 aa, 36 kDa

Observed MW:

45-50 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

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.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

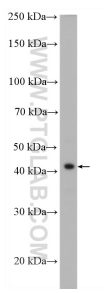
For technical support and original validation data for this product please contact:

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

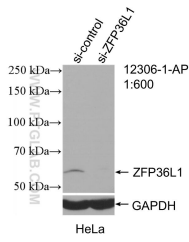
E: proteintech@ptglab.com
W: ptglab.com

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

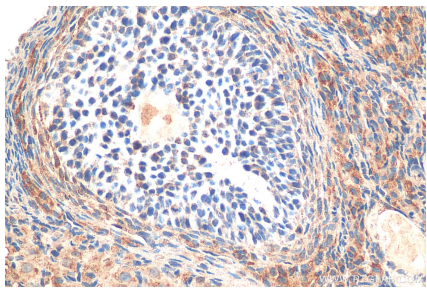
Selected Validation Data



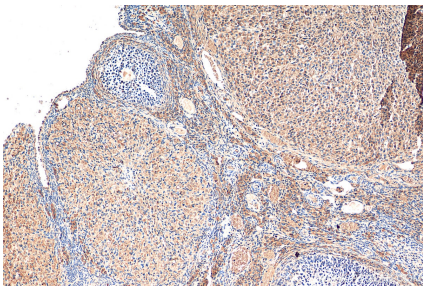
U-937 cells were subjected to SDS PAGE followed by western blot with 12306-1-AP (ZFP36L1/2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 12306-1-PBS in a different storage buffer formulation.



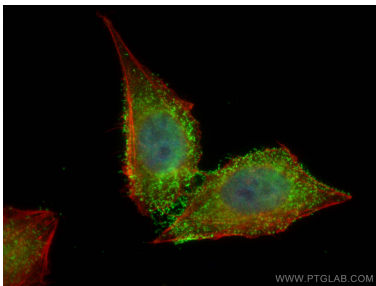
WB result of ZFP36L1/2 antibody (12306-1-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-ZFP36L1/2 transfected HeLa cells. This data was developed using the same antibody clone with 12306-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat ovary tissue slide using 12306-1-AP (ZFP36L1/2 antibody) at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 12306-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat ovary tissue slide using 12306-1-AP (ZFP36L1/2 antibody) at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 12306-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using ZFP36L1/2 antibody (12306-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 12306-1-PBS in a different storage buffer formulation.