For Research Use Only

USP36 Polyclonal antibody

Catalog Number:14783-1-AP Featured Product 16 Publications

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Basic Information

Catalog Number:
14783-1-AP

Size:
150ul , Concentration: 300 µg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG6411

GenBank Accession Number:
BC038983

GeneID (NCBI):
57602

UNIPROT ID:
Q9P275

Full Name:
ubiquitin specific peptidase 36

Calculated MW:
1123 aa, 123 kDa

Observed MW:
100-150 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IF/ICC 1:200-1:800

Applications

Tested Applications:
WB, IF/ICC, IP, ELISA

Cited Applications:
WB, IHC, IF, IP, CoIP

Species Specificity:
human, mouse

Cited Species:
human, mouse

Positive Controls:

WB : Jurkat cells, HeLa cells, HepG2 cells

IP : Jurkat cells,

IF/ICC : U2OS cells,

Background Information

USP36(Ubiquitin carboxyl-terminal hydrolase 36) is also named as KIAA1453, FLJ12851, DUB1 and belongs to the peptidase C19 family. It regulates the transcription and processing of rRNA by deubiquitylating various proteins involved in these processes, and the aberrant nucleolar structure in its absence is secondary to deficient ribosome biogenesis. USP36 plays a crucial role in regulating the structure and function of nucleoli.(PMID:19208757). The ubiquitin-specific protease that is required in germline, epithelial, and intestinal stem cells(PMID:19039105). It has 2 isoforms produced by alternative splicing.

Notable Publications

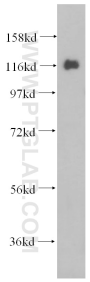
Author	Pubmed ID	Journal	Application
Tao Wang	36151083	Nat Commun	IF
Mingzhe Zheng	36434180	Oncogene	WB,IHC,IF
Yuanliang Yan	33237263	Nucleic Acids Res	WB,IF,IP

Storage

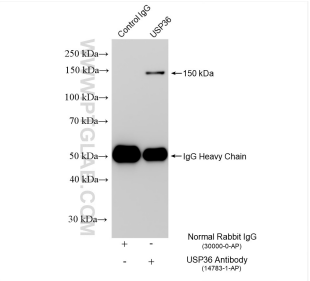
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

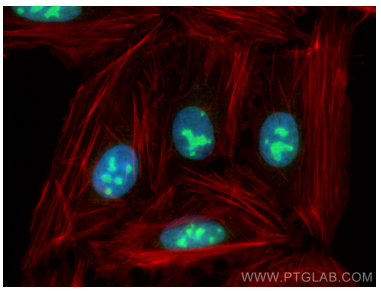
Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 14783-1-AP (USP36 antibody) at dilution of 1:200 incubated at room temperature for 1.5 hours.



IP result of anti-USP36 (IP:14783-1-AP, 4ug; Detection:14783-1-AP 1:1000) with Jurkat cells lysate 1400 ug.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using USP36 antibody (14783-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).