

For Research Use Only

USP36 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84620-3-PBS



Basic Information

Catalog Number: 84620-3-PBS	GenBank Accession Number: BC038983	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 57602	CloneNo.: 241962H7
Source: Rabbit	UNIPROT ID: Q9P275	
Isotype: IgG	Full Name: ubiquitin specific peptidase 36	
Immunogen Catalog Number: AG6411	Calculated MW: 1123 aa, 123 kDa	
	Observed MW: 140 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Sandwich ELISA, Indirect
ELISA, Sample test

Species Specificity:
human

Product Information

84620-3-PBS targets USP36 as part of a matched antibody pair:

MP01428-1: 84620-3-PBS capture and 84620-1-PBS detection (validated in Cytometric bead array, Sandwich ELISA)

MP01428-2: 84620-3-PBS capture and 84620-2-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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.

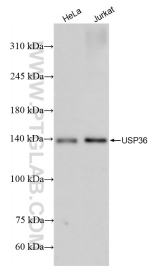
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

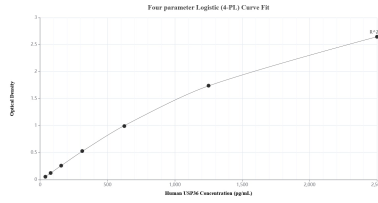
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

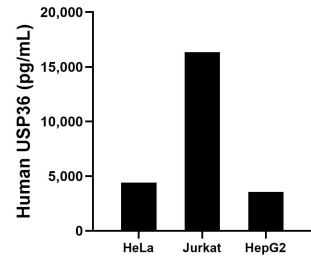
Selected Validation Data



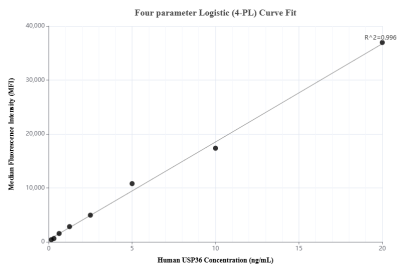
Various lysates were subjected to SDS PAGE followed by western blot with 84620-3-RR (USP36 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84620-3-PBS in a different storage buffer formulation.



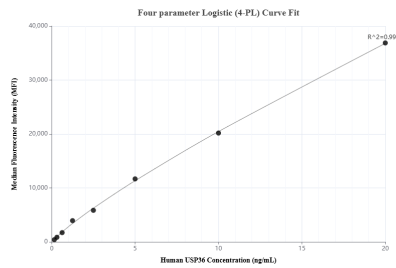
Sandwich ELISA standard curve of MP01428-1, Human USP36 Recombinant Matched Antibody Pair - PBS only. 84620-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag6411. 84620-1-PBS was HRP conjugated as the detection antibody. Range: 39.1-2500 pg/mL.



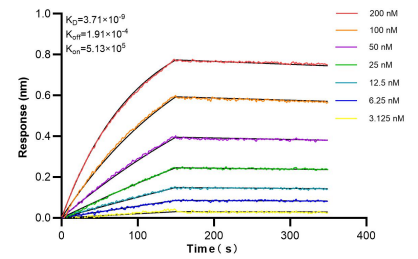
The mean USP36 concentration was determined to be 4,390.7 pg/mL in HeLa cell extract based on a 1.3 mg/mL extract load, 16,332.6 pg/mL in Jurkat cell extract based on a 1.5 mg/mL extract load and 3,553.0 pg/mL in HepG2 cell extract based on a 1.0 mg/mL extract load.



Cytometric bead array standard curve of MP01428-1, USP36 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84620-3-PBS. Detection antibody: 84620-1-PBS. Standard: Ag6411. Range: 0.156-20 ng/mL.



Cytometric bead array standard curve of MP01428-2, USP36 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84620-3-PBS. Detection antibody: 84620-2-PBS. Standard: Ag6411. Range: 0.156-20 ng/mL.



Bi-layer interferometry (BLI) kinetic assays of 84620-3-RR against Human USP36 were performed. The affinity constant is 3.71 nM.