For Research Use Only

# OS9 Recombinant antibody, PBS Only

Catalog Number:82932-1-PBS

proteintech®
Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

## Basic Information

Catalog Number:
82932-1-PBS

Size:
1mg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG0106

GenBank Accession Number:
BC000532

GeneID (NCBI):
10956

UNIPROT ID:
Q13438

Full Name:
osteosarcoma amplified 9, endoplasmic reticulum associated protein

Calculated MW:
76 kDa

Observed MW:
83-97 kDa

Purification Method:
Protein A purification

CloneNo.:
230149B4

## Applications

Tested Applications:
WB, FC (Intra), Indirect ELISA

Species Specificity:
human

## Background Information

OS-9 is a ubiquitously expressed ensoplasmic reticulum (ER)-associated protein originally identified as being amplified in certain osteosarcomas. It functions in ER quality control and ER-associated degradation (ERAD). There are three isoforms of this protein: OS-9.1, OS-9.2 and OS-9.3. The longest isoform, OS-9.1, contains 667 aa, OS-9.2 lacks aa 535-589, whereas OS-9.3 lacks aa 456-470 and 535-589. OS-9.1 and OS-9.2 are N-glycosylated, ubiquitously expressed in human tissues, and amplified in tumors.

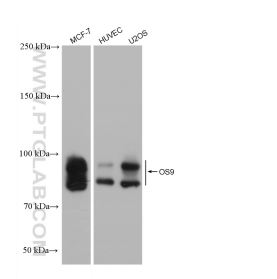
## Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

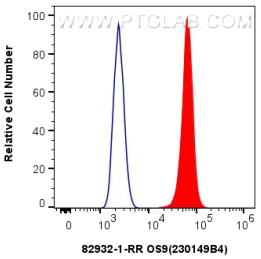
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

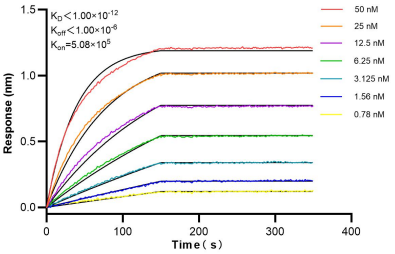
## Selected Validation Data




Various lysates were subjected to SDS PAGE followed by western blot with 82932-1-RR (OS9 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82932-1-PBS in a different storage buffer formulation.




1x10^6 HeLa cells were intracellularly stained with 0.25 ug OS9 Recombinant antibody (82932-1-RR, Clone:230149B4) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 82932-1-PBS in a different storage buffer formulation.




Biolayer interferometry (BLI) kinetic assays of 82932-1-RR against Human OS9 were performed. The affinity constant is below 1 pM.