

For Research Use Only

# OS9 Recombinant antibody

Catalog Number: 82932-1-RR



## Basic Information

Catalog Number:

82932-1-RR

Size:

1000 ug/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

Recommended Dilutions:

WB 1:2000-1:10000

## Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB: MCF-7 cells, HUVEC cells, U2OS cells

## Background Information

OS-9 is a ubiquitously expressed endoplasmic 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 -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

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

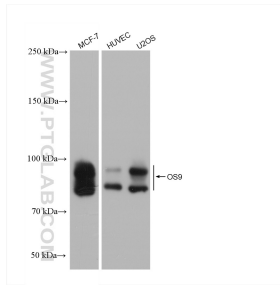
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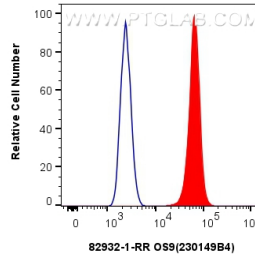
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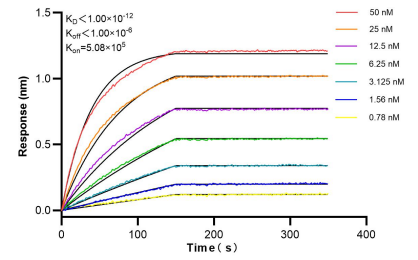
## Selected Validation Data



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.



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.25  $\mu$ g 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  $\mu$ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



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