

For Research Use Only

OS9 Recombinant antibody

Catalog Number: 82932-2-RR



Basic Information

Catalog Number: 82932-2-RR	GenBank Accession Number: BC000532	Purification Method: Protein A purification
Size: 300 µg/ml	GeneID (NCBI): 10956	CloneNo.: 230149C6
Source: Rabbit	UNIPROT ID: Q13438	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG	Full Name: osteosarcoma amplified 9, endoplasmic reticulum associated protein	
Immunogen Catalog Number: AG0106	Calculated MW: 76 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra), ELISA	Positive Controls: IF/ICC : HeLa cells,
Species Specificity: human	

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:

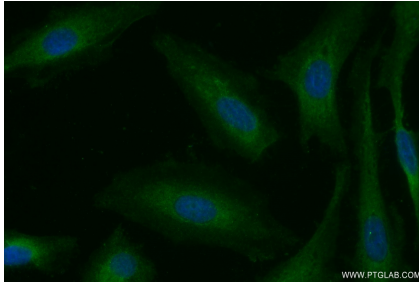
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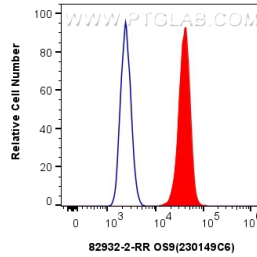
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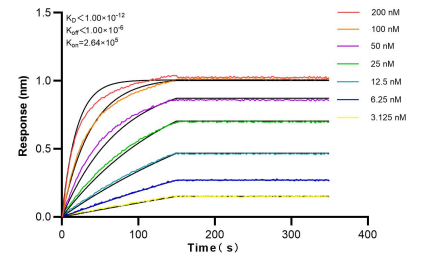
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using OS9 antibody (82932-2-RR, Clone: 230149C6) at dilution of 1:100 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug OS9 Recombinant antibody (82932-2-RR, Clone:230149C6) 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).



Biacore kinetic assays of 82932-2-RR against Human OS9 were performed. The affinity constant is below 1 pM.