

For Research Use Only

# OS9 Recombinant antibody, PBS Only



Catalog Number: 82932-2-PBS

## Basic Information

<b>Catalog Number:</b> 82932-2-PBS	<b>GenBank Accession Number:</b> BC000532	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1mg/ml	<b>GeneID (NCBI):</b> 10956	<b>CloneNo.:</b> 230149C6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q13438	
<b>Isotype:</b> IgG	<b>Full Name:</b> osteosarcoma amplified 9, endoplasmic reticulum associated protein	
<b>Immunogen Catalog Number:</b> AG0106	<b>Calculated MW:</b> 76 kDa	

## Applications

**Tested Applications:**  
IF/ICC, Indirect ELISA

**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 -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:

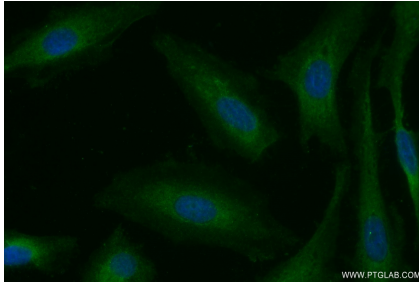
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

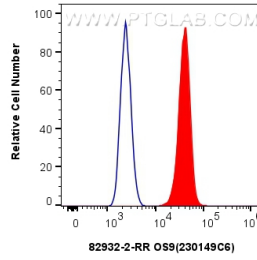
W: [ptgcn.com](http://ptgcn.com)

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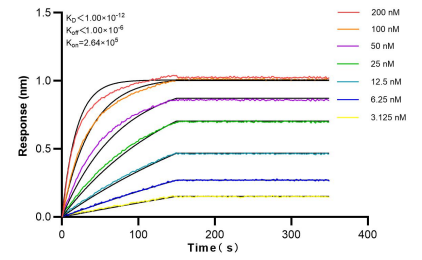
## Selected Validation Data



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). This data was developed using the same antibody clone with 82932-2-PBS in a different storage buffer formulation.



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.25  $\mu\text{g}$  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  $\mu\text{g}$  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 82932-2-PBS in a different storage buffer formulation.



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