

For Research Use Only

# OS9 Recombinant antibody

Catalog Number: 82932-2-RR



## Basic Information

<b>Catalog Number:</b> 82932-2-RR	<b>GenBank Accession Number:</b> BC000532	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 300 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10956	<b>CloneNo.:</b> 230149C6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q13438	<b>Recommended Dilutions:</b> IHC 1:500-1:2000 IF/ICC 1:50-1:500
<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

<b>Tested Applications:</b> IHC, IF/ICC, FC (Intra), ELISA	<b>Positive Controls:</b> IHC : mouse testis tissue, IF/ICC : HeLa cells,
<b>Species Specificity:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

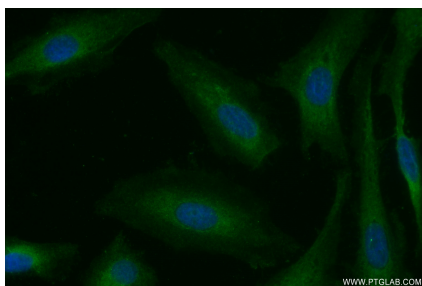
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

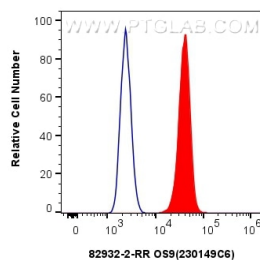
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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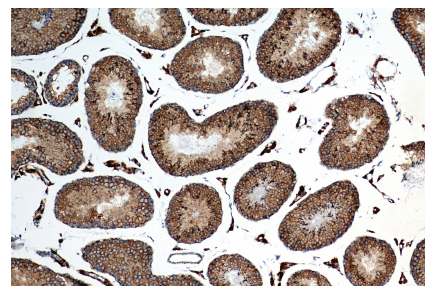
## Selected Validation Data



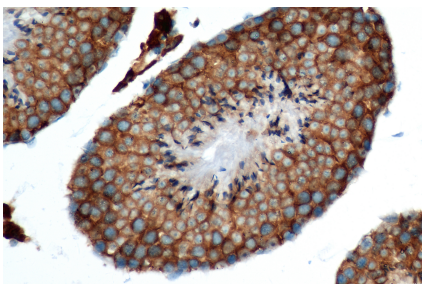
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using OS9 antibody (82932-2-RR, Clone: 230149C6) at dilution of 1:100 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



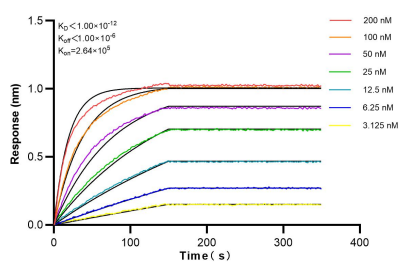
1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug OS9 Recombinant antibody (82932-2-RR, Clone:230149C6) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 82932-2-RR (OS9 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 82932-2-RR (OS9 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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