

# OS9 Polyclonal antibody

Catalog Number: 10061-1-AP

Featured Product

7 Publications

## Basic Information

<b>Catalog Number:</b> 10061-1-AP	<b>GenBank Accession Number:</b> BC000532	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 300 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10956	<b>Recommended Dilutions:</b> WB 1:200-1:1000 IHC 1:20-1:200 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> osteosarcoma amplified 9, endoplasmic reticulum associated protein	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 76 kDa	
<b>Immunogen Catalog Number:</b> AG0106	<b>Observed MW:</b> 73 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, HeLa cells
<b>Cited Applications:</b> IF, WB	<b>IHC :</b> human lung cancer tissue, human prostate cancer tissue
<b>Species Specificity:</b> human	<b>IF :</b> HEK-293 cells,
<b>Cited Species:</b> human	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## 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. Isoform 2 is the major isoform detected in all cell types examined. This antibody can recognize all three isoforms of OS-9.

## Notable Publications

Author	Pubmed ID	Journal	Application
Iida Yasutaka Y	21454652	J Biol Chem	WB
Yilin Ye	30167107	Cell Biosci	WB
Fujimori Tsutomu T	23356641	FEBS J	WB

## Storage

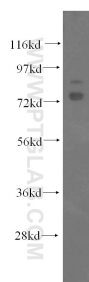
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

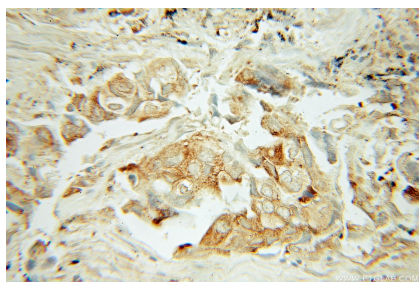
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

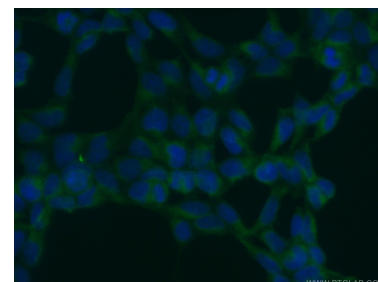
## Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 10061-1-AP (OS9 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer using 10061-1-AP (OS9 antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of (10% Formaldehyde) fixed HEK-293 cells using 10061-1-AP (OS9 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).