

For Research Use Only

# OS9 Polyclonal antibody

Catalog Number: 10061-1-AP

Featured Product

7 Publications



## Basic Information

### Catalog Number:

10061-1-AP

### Size:

300 µg/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:

73 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:200-1:1000

IHC 1:20-1:200

IF 1:50-1:500

## Applications

### Tested Applications:

IF/ICC, IHC, WB, ELISA

### Cited Applications:

IF, WB

### Species Specificity:

human

### Cited Species:

human

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

### Positive Controls:

WB: HEK-293 cells, HeLa cells

IHC: human lung cancer tissue, human prostate cancer  
tissue

IF: HEK-293 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. 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

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

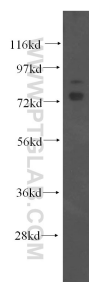
T: 4006900926

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

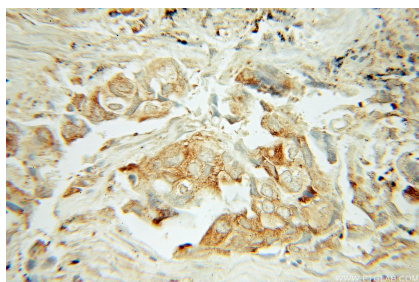
W: [ptgcn.com](http://ptgcn.com)

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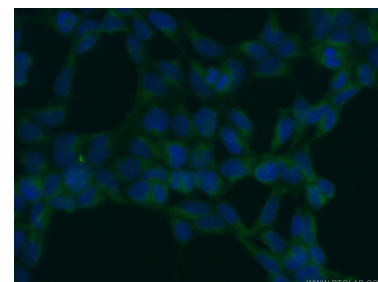
## Selected Validation Data



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).