

For Research Use Only

OS9 Polyclonal antibody

Catalog Number: 10061-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number:

10061-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

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/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB: HEK-293 cells, HeLa cells

IHC: human lung cancer tissue, human prostate cancer tissue

IF/ICC: HeLa cells,

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
Haihua Wang	39820491	Cell Death Dis	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

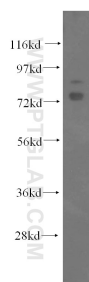
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

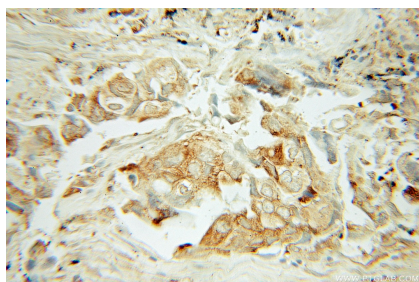
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

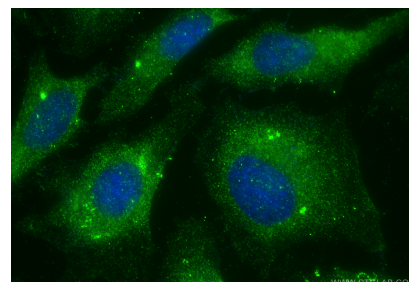
Selected Validation Data



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 (-20°C Ethanol) fixed HeLa cells using OS9 antibody (10061-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).