

For Research Use Only

# OXSR1 Polyclonal antibody

Catalog Number: 15611-1-AP

Featured Product

2 Publications



## Basic Information

### Catalog Number:

15611-1-AP

### Size:

150ul, Concentration: 600 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG8002

### GenBank Accession Number:

BC008726

### GeneID (NCBI):

9943

### UNIPROT ID:

O95747

### Full Name:

oxidative-stress responsive 1

### Calculated MW:

58 kDa

### Observed MW:

58 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF 1:50-1:500

## Applications

### Tested Applications:

WB, IP, IF, IHC, ELISA

### Cited Applications:

WB, IF, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human, rat

**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, human liver tissue, human testis tissue, HeLa cells, Jurkat cells, U-251 cells

IP : HeLa cells, HEK-293 cells

IHC : human prostate cancer tissue,

IF : MCF-7 cells,

## Background Information

Oxidative-stress responsive 1(OXSR1) is also named as KIAA1101, OSR1 and belongs to the STE Ser/Thr protein kinase family. It contains an N-terminal Ste20-like ser/thr kinase domain and 2 C-terminal regions, which has a putative caspase-3 cleavage site at the end. OXSR1's interaction with WNK1 is required for NKCC function, and it modulates the G protein sensitivity of PAK by phosphorylation of PAK1. Western blot analysis detected OXsr1 at an apparent molecular mass of 58 kD in all mouse tissues examined except thymus. Cell fractionation and immunofluorescence analysis of HeLa cells showed that OXSR1 was distributed throughout the cell and OXSR1 could phosphorylate a test substrate and itself (PMID:14707132).

## Notable Publications

Author	Pubmed ID	Journal	Application
Jianhui Chen	32842855	Bioengineered	IHC, WB
Qiguang Wang	38353402	Adv Sci (Weinh)	WB, IF

## 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

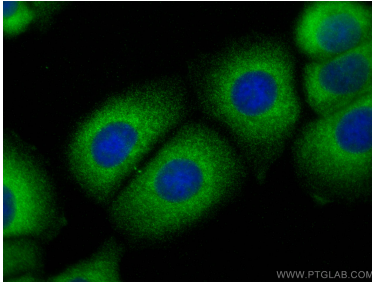
For technical support and original validation data for this product please contact:

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

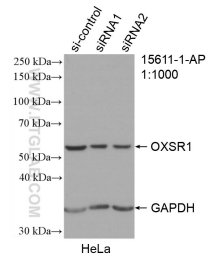
E: proteintech@ptglab.com  
W: ptglab.com

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

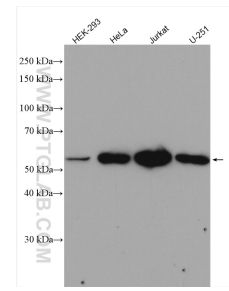
## Selected Validation Data



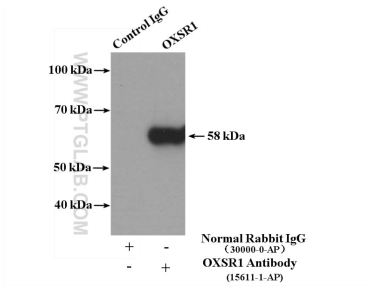
Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using OXSR1 antibody (15611-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



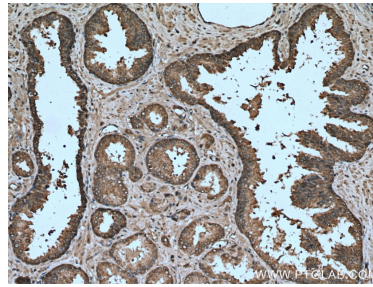
WB result of OXSR1 antibody (15611-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-OXSR1 transfected HeLa cells.



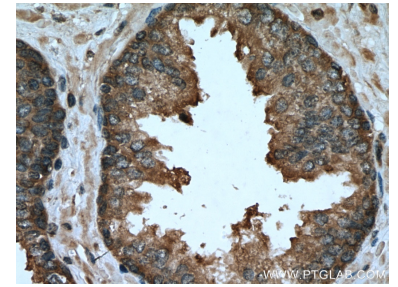
Various lysates were subjected to SDS PAGE followed by western blot with 15611-1-AP (OXSR1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-OXSR1 (IP:15611-1-AP, 4ug; Detection:15611-1-AP 1:500) with HeLa cells lysate 3200ug.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 15611-1-AP (OXSR1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 15611-1-AP (OXSR1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).