

For Research Use Only

# QSOX1 Polyclonal antibody

Catalog Number: 12713-1-AP

Featured Product

14 Publications



## Basic Information

### Catalog Number:

12713-1-AP

### Size:

400 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3396

### GenBank Accession Number:

BC017692

### GeneID (NCBI):

5768

### UNIPROT ID:

O00391

### Full Name:

quiescin Q6 sulfhydryl oxidase 1

### Calculated MW:

747 aa, 83 kDa

### Observed MW:

66-83kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:50-1:500

IF 1:50-1:500

## Applications

### Tested Applications:

IF-P, IHC, IP, WB, ELISA

### Cited Applications:

WB, IF, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human, rat, hamster

**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** : SW 1990 cells, mouse heart tissue, human placenta tissue, rat heart tissue

**IP** : SW 1990 cells,

**IHC** : human liver cancer tissue,

**IF** : mouse colon tissue,

## Background Information

QSOX1(Sulfhydryl oxidase 1) catalyzes the oxidation of sulfhydryl groups in peptide and protein thiols to disulfides with the reduction of oxygen to hydrogen peroxide. It has two isoforms with the molecular weight of 67 kDa and 83 kDa, respectively. It is detected a band of 95 kDa in HT1080 cell lines (PMID:17331072). Isoform 1 is expressed on golgi apparatus membrane and isoform 2 is secreted (PMID:10708601). The isoform1(QSOX1a) is the full length of QSOX1, approximately 78 kDa; and the isoform2(QSOX1b) is the splicing form, approximately 62kDa (PMID:14633699; 2496424). QSOX1 is highly expressed in tumor cell lines but is not expressed in adjacent normal cells (PMID:21989104).

## Notable Publications

Author	Pubmed ID	Journal	Application
Jin A Baek	29804717	Pathol Res Pract	IHC
Jialei Sun	33770521	Redox Biol	IHC
Jacqueline V Brady	30053712	Transl Oncol	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:

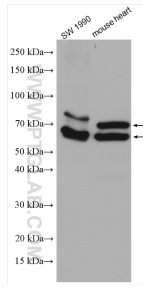
T: 4006900926

E: Proteintech-CN@ptglab.com

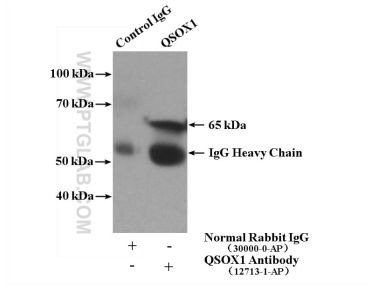
W: ptgcn.com

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

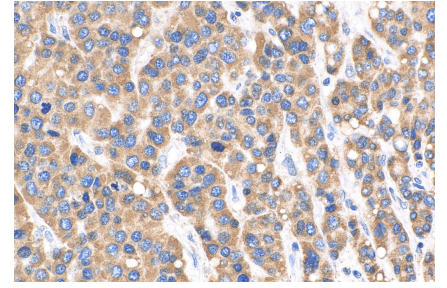
## Selected Validation Data



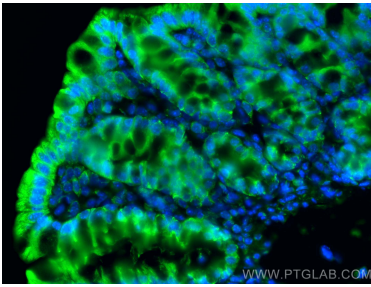
Various lysates were subjected to SDS PAGE followed by western blot with 12713-1-AP (QSOX1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-QSOX1 (IP:12713-1-AP, 4 $\mu$ g; Detection:12713-1-AP 1:300) with SW 1990 cells lysate 2400 $\mu$ g.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 12713-1-AP (QSOX1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse colon tissue using QSOX1 antibody (12713-1-AP) at dilution of 1:200 and CoraLite<sup>®</sup>488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).