

For Research Use Only

QSOX1/Quiescin Q6 Polyclonal antibody

Catalog Number: 12713-1-AP

Featured Product

20 Publications



Basic Information

Catalog Number:

12713-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

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 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF-P 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF-P, IP, ELISA

Cited Applications:

WB, IHC, IF, ColP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, 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-P: 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

*** 20ul sizes contain 0.1% BSA

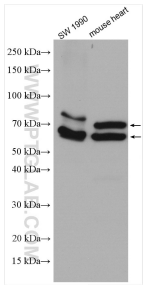
For technical support and original validation data for this product please contact:

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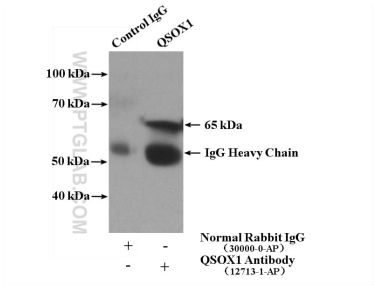
E: proteintech@ptglab.com
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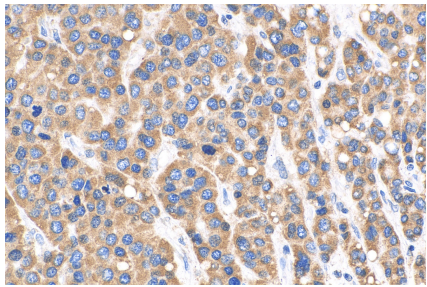
Selected Validation Data



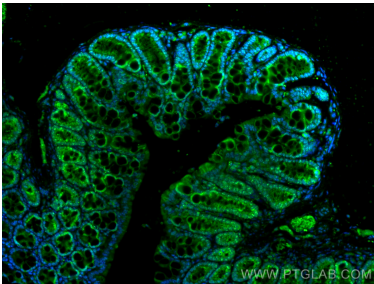
Various lysates were subjected to SDS PAGE followed by western blot with 12713-1-AP (QSOX1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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



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 paraffin-embedded mouse colon tissue using QSOX1 antibody (12713-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).