

## QSOX1 Polyclonal Antibody

Catalog number: 12713-1-AP

Size: 51 µg/150 µl

Source: Rabbit

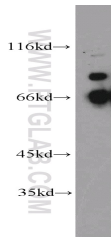
Isotype: IgG

Synonyms:

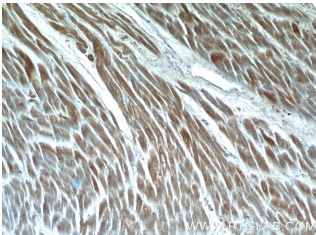
QSOX1; FLJ34858, hQSOX, Q6,

QSCN6, QSOX1, Quiescin Q6,

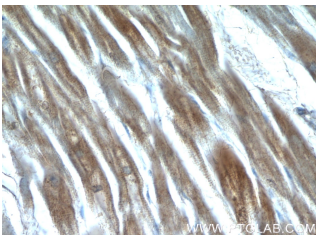
Sulfhydryl oxidase 1



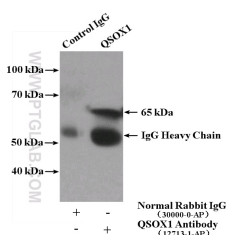
SW 1990 cells were subjected to SDS PAGE followed by western blot with 12713-1-AP(QSOX1 antibody) at dilution of 1:1000



Immunohistochemistry of paraffin-embedded human heart tissue slide using 12713-1-AP( QSOX1 Antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemistry of paraffin-embedded human heart tissue slide using 12713-1-AP( QSOX1 Antibody) at dilution of 1:50 (under 40x lens)



IP Result of anti-QSOX1

(IP:12713-1-AP, 4µg;

### Background

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 kd; and the isoform2(QSOX1b) is the splicing form, approximately 62kd(PMID:14633699; 2496424). QSOX1 is highly expressed in tumor cell lines but is not expressed in adjacent normal cells (PMID:21989104).

### Applications

Tested applications:	ELISA, WB, IHC, IP
Cited applications:	IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, rat
Calculated QSOX1 MW:	747aa, 83 kDa
Observed QSOX1 MW:	65-94 kDa
Positive WB detected in	SW 1990 cells, HeLa cells, HT-1080 cells, human heart tissue, human placenta tissue, MCF7 cells, mouse heart tissue
Positive IP detected in	SW 1990 cells
Positive IHC detected in	Human heart tissue
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:1000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag3396
GenBank accession number:	BC017692
Gene ID (NCBI):	5768
Full name:	Quiescin Q6 sulfhydryl oxidase 1

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

Detection:12713-1-AP 1:300)  
with SW 1990 cells lysate  
2400ug.