

# QSOX2 Antibody (Center) Blocking peptide

Synthetic peptide Catalog # BP13657c

### **Specification**

# QSOX2 Antibody (Center) Blocking peptide - Product Information

**Primary Accession** 

O6ZRP7

## QSOX2 Antibody (Center) Blocking peptide - Additional Information

**Gene ID** 169714

#### **Other Names**

Sulfhydryl oxidase 2, Neuroblastoma-derived sulfhydryl oxidase, Quiescin Q6-like protein 1, QSOX2, QSCN6L1, SOXN

### Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13657c was selected from the Center region of QSOX2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

### **Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

#### **Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

### QSOX2 Antibody (Center) Blocking peptide - Protein Information

Name QSOX2

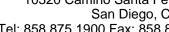
Synonyms QSCN6L1, SOXN

### **Function**

Catalyzes the oxidation of sulfhydryl groups in peptide and protein thiols to disulfides with the reduction of oxygen to hydrogen peroxide. May contribute to disulfide bond formation in a variety of secreted proteins. Also seems to play a role in regulating the sensitization of neuroblastoma cells for interferon-gamma-induced apoptosis.

### **Cellular Location**

Membrane; Single- pass membrane protein. Secreted. Cell membrane; Single-pass membrane protein. Nucleus membrane; Single- pass membrane protein. Note=Seems to be predominantly targeted to the nuclear and outer plasma membrane





### **Tissue Location**

Expressed in pancreas, brain, placenta, kidney, heart and fetal tissues. Weakly expressed in lung, liver and skeletal muscles.

### QSOX2 Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

### • Blocking Peptides

QSOX2 Antibody (Center) Blocking peptide - Images

# QSOX2 Antibody (Center) Blocking peptide - Background

QSOX2 is a member of the sulfhydryl oxidase/quiescin-6(Q6) family (QSOX1; MIM 603120) that regulates the sensitization ofneuroblastoma cells for IFN-gamma (IFNG; MIM 147570)-induced celldeath (Wittke et al., 2003 [PubMed 14633699]).

### QSOX2 Antibody (Center) Blocking peptide - References

Okada, Y., et al. Hum. Mol. Genet. 19(11):2303-2312(2010)Olsen, J.V., et al. Cell 127(3):635-648(2006)Humphray, S.J., et al. Nature 429(6990):369-374(2004)Wittke, I., et al. Cancer Res. 63(22):7742-7752(2003)Thorpe, C., et al. Arch. Biochem. Biophys. 405(1):1-12(2002)