

**QSOX2 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13657c****Specification**

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**QSOX2 Antibody (Center) Blocking peptide - Product Information**Primary Accession [Q6ZRP7](#)**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 of neuroblastoma cells for IFN-gamma (IFNG; MIM 147570)-induced cell death (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)