

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

QSOX2 Antibody (Center) Blocking peptide - Product InformationPrimary 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)