

# Mouse Sulphydryl oxidase 2 (QSOX2) ELISA Kit

Catalog No: #EK7824



Package Size: #EK7824-1 48T #EK7824-2 96T

Orders: order@signalwayantibody.com

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## Description

Product Name	Mouse Sulphydryl oxidase 2 (QSOX2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	RP11-83N9.4; DKFZp762A2013; QSCN6L1; SOXN; neuroblastoma-derived sulphydryl oxidase quiescin Q6-like 1
Accession No.	Q3TMX7
Uniprot	Q3TMX7
GenID	227638;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate QSOX2 in samples. An antibody specific for QSOX2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyQSOX2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for QSOX2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of QSOX2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**QSOX2 is a member of the sulphydryl oxidase/quiescin-6 (Q6) family (QSOX1) that regulates the sensitization of neuroblastoma cells for IFN-gamma (IFNG)-induced cell death.The deduced 698-amino acid protein has a calculated molecular mass of 77.3 kD and contains a signal sequence, a protein-disulfide-isomerase (PDI)-type thioredoxin domain, a yeast ERV1 (GFER) domain, a conserved N-glycosylation motif, Q6-like regions, and a C-terminal transmembrane domain. Northern blot analysis of adult and fetal tissues detected 7.5- and 4.6-kb transcripts in all fetal and adult tissues tested with highest expression detected in pancreas, brain, placenta, kidney, heart, and fetal tissues compared to lung, liver, and skeletal muscle. QSOX2 is a membrane-associated protein localized to the plasma membrane in neuroblastoma cells.

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Note: This product is for in vitro research use only