Recombinant QSOX1 Monoclonal Antibody

catalog number: **AN301645L**

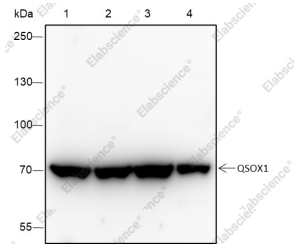
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Recombinant human QSOX1 fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C331268
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:500-1:1000
FCM	1:100
IP	1:25-1:50

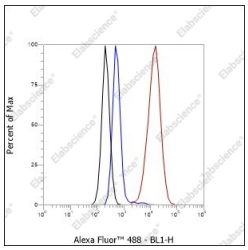
Data



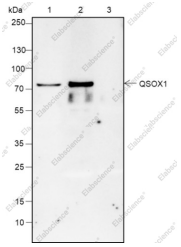
Western Blot with QSOX1 Monoclonal Antibody at dilution of 1:1000. Lane 1: MCF-7, Lane 2: MDA-MB-231, Lane 3: T47D, Lane 4: 293T

Observed-MW:67 kDa

Calculated-MW:83 kDa



Flow cytometric analysis of human QSOX1 expression on MDA-MB-231 cells. Cells were stained with purified anti-Human QSOX1, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.



Immunoprecipitation analysis using anti-QSOX1 Monoclonal Antibody. Western blot was performed from the immunoprecipitate using QSOX1 Monoclonal Antibody at a dilution of 1:50. Lane 1: 5% Input, Lane 2: QSOX1 Monoclonal Antibody, Lane 3: Rabbit monoclonal IgG Isotype

Observed-MW:67 kDa

Calculated-MW:83 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

QSOX1 belongs to the family of FAD-dependent sulfhydryl oxidases and is an atypical disulfide catalyst. QSOX1 is mainly located in the Golgi apparatus and endoplasmic reticulum (ER) in human embryonic fibroblasts, and it cooperates with protein disulfide isomerase (PDI) to help fold new-born proteins in the cell. QSOX1 is mainly expressed in the heart, placenta, lung, liver, skeletal muscle, and pancreas, and is very weakly expressed in the brain and kidneys. Studies have found that the increase of QSOX1 expression in tumor cells enables tumor cells to actively circumvent the mechanism of apoptosis mediated by reactive oxygen species.

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