

Anti-Sulfhydryl oxidase 1 QSOX1 Antibody

Catalog Number: A04549

About QSOX1

The QSOX1 gene, also known as Quiescin Q6, is a fusion of two ancient genes: thioredoxin and ERV1. Its expression is induced as fibroblasts begin to exit the proliferative cycle and enter quiescence, suggesting that this gene plays an important role in growth regulation (1). The QSOX1 protein oxidizes sulfhydryl groups to form disulfide bonds in proteins. QSOX1 expression is induced by hypoxia (2) and appears to protect cells against oxidative stress-induced apoptosis (3).

Overview

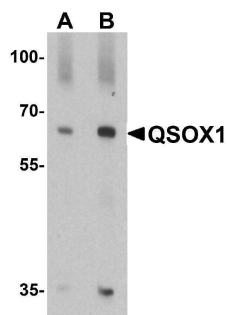
Product Name	Anti-Sulfhydryl oxidase 1 QSOX1 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Sulfhydryl oxidase 1 QSOX1 Antibody (Catalog # A04549). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	QSOX1 antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	QSOX1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Host	Rabbit
Uniprot ID	O00391

Technical Details

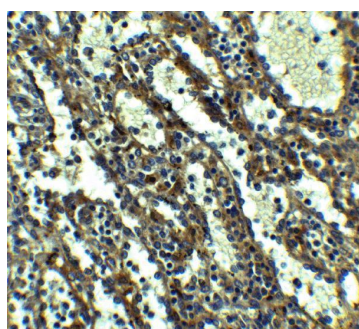
Immunogen	QSOX1 antibody was raised against a 17 amino acid peptide near the center of human QSOX1. The immunogen is located within amino acids 360 - 410 of QSOX1.
Predicted Reactive Species	Rat
Cross Reactivity	QSOX1 antibody is human and mouse reactive. QSOX1 antibody is predicted to not cross-react with QSOX2.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	QSOX1 antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	QSOX1 antibody can be used for detection of QSOX1 by Western blot at 1 - 2 ug/mL. Antibody can

also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL.
Antibody validated: Western Blot in mouse samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

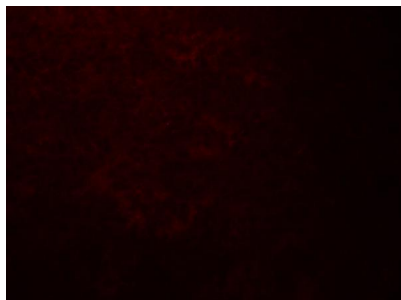
Anti-Sulfhydryl oxidase 1 QSOX1 Antibody (A04549) Images



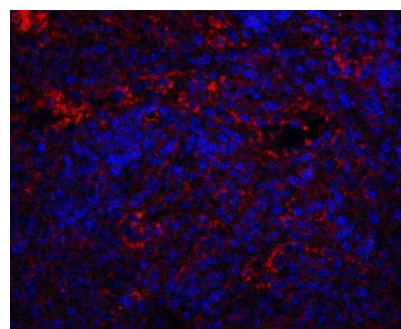
Western blot analysis of QSOX1 in EL4 cell lysate with QSOX1 antibody at (A) 1 and (B) 2 ug/ml.



Immunohistochemistry of QSOX1 in human spleen tissue with QSOX1 antibody at 5 ug/mL.



Immunofluorescence of QSOX1 in human spleen tissue with QSOX1 antibody at 20 ug/ml.



Immunofluorescence of QSOX1 in human spleen tissue with QSOX1 antibody at 20 ug/ml.

Submit a product review to [Biocompare.com](https://www.biocompare.com)

Submit a review of this product to [Biocompare.com](https://www.biocompare.com) to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Sulfhydryl oxidase 1 QSOX1 Antibody

For Research Use Only. Not for use in diagnostic procedures.