



Rabbit Anti-Quiescin Q6 antibody

SL6394R

Product Name:	Quiescin Q6
Chinese Name:	巯基氧化酶1抗体
Alias:	hQSOX; Human quiescin (Q6) mRNA, partial cds; Q6 antibody QSCN6; QSOX1; QSOX1_HUMAN; Quiescin Q6 sulfhydryl oxidase 1; Skin sulfhydryl oxidase; Sox; Sulfhydryl oxidase 1; Sulfhydryl oxidase 1 precursor.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	80kDa
Cellular localization:	cytoplasmicThe cell membraneExtracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Quiescin Q6/QSOX1:244-350/747
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a protein that contains domains of thioredoxin and ERV1, members of two long-standing gene families. The gene 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. Two transcript variants encoding two different

isoforms have been found for this gene.

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. In fibroblasts, it may have tumor-suppressing capabilities being involved in growth regulation.

Subunit:

Monomer.

Subcellular Location:

Isoform 1: Golgi apparatus membrane; Single-pass membrane protein.

Isoform 2: Secreted, extracellular space. Note=Found in the extracellular medium of quiescent cells but is not found in proliferating cells.

Similarity:

Belongs to the quiescin-sulfhydryl oxidase (QSOX) family.

Contains 1 ERV/ALR sulfhydryl oxidase domain.

Contains 1 thioredoxin domain.

SWISS:

O00391

Gene ID:

5768

Database links:

[Entrez Gene: 5768](#)Human

[Entrez Gene: 104009](#)Mouse

[Entrez Gene: 84491](#)Rat

[Omim: 603120](#)Human

[SwissProt: O00391](#)Human

[SwissProt: Q8BND5](#)Mouse

[SwissProt: Q6IUU3](#)Rat

[Unigene: 518374](#)Human

[Unigene: 719176](#)Human

[Unigene: 27035](#)Mouse

[Unigene: 44920](#)Rat

	<p>Important Note:</p>
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This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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