

SUOX Polyclonal antibody

Catalog Number: 15075-1-AP

4 Publications

Basic Information

Catalog Number:

15075-1-AP

GenBank Accession Number:

BC065193

Purification Method:

Antigen affinity purification

Size:

150ul, Concentration: 1000 µg/ml by Nanodrop and 753 µg/ml by Bradford method using BSA as the standard;

GeneID (NCBI):

6821

Recommended Dilutions:

WB 1:500-1:3000
IP 0.5-4.0 µg for IP and 1:500-1:2400 for WB
IHC 1:50-1:500
IF 1:10-1:100

Full Name:

sulfite oxidase

Source:

Rabbit

Calculated MW:

60 kDa

Isotype:

IgG

Observed MW:

52 kDa, 60 kDa

Immunogen Catalog Number:

AG7146

Applications

Tested Applications:

FC, IF, IHC, IP, WB, ELISA

Positive Controls:

WB : human liver tissue, L02 cells, mouse liver tissue

Cited Applications:

WB

IP : mouse liver tissue,

Species Specificity:

human, mouse, rat

IHC : human liver tissue,

Cited Species:

human, mouse

IF : Hela cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

SUOX(sulfite oxidase) catalyzes the oxidation of sulfite to sulfate, the terminal reaction in the oxidative degradation pathway of the sulfur-containing amino acids cysteine and methionine. The enzyme is a dimer of identical subunits and is located in the intermembrane space of mitochondria(PMID:9600976). Defects in SUOX are the cause of isolated sulfite oxidase deficiency (ISOD).

Notable Publications

Author	Pubmed ID	Journal	Application
Pilar González-García	32975579	Hum Mol Genet	WB
Marta Luna-Sánchez	27856619	EMBO Mol Med	WB
Roman Heather B HB	23350603	Antioxid Redox Signal	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

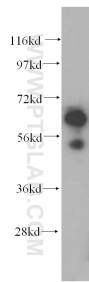
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

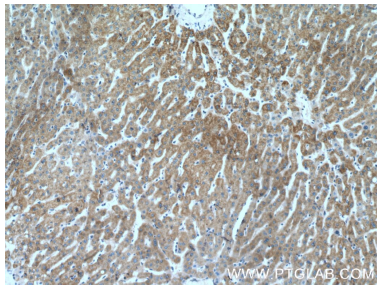
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

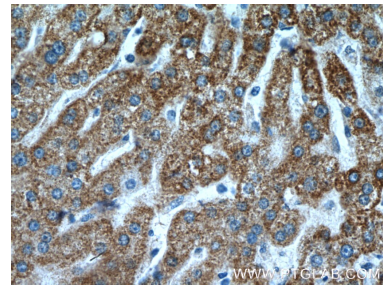
Selected Validation Data



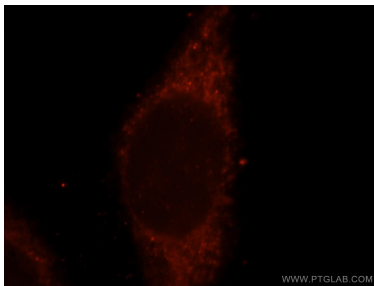
human liver tissue were subjected to SDS PAGE followed by western blot with 15075-1-AP (SUOX antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



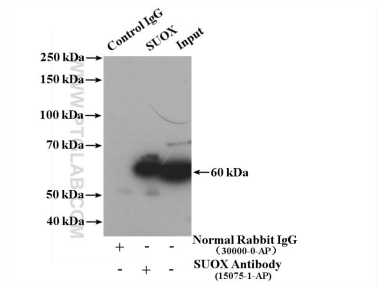
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 15075-1-AP (SUOX antibody) at dilution of 1:200 (under 10x lens).



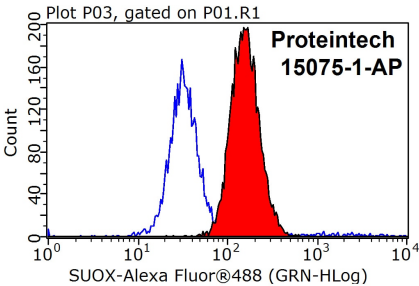
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 15075-1-AP (SUOX antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of HeLa cells, using SUOX antibody 15075-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP result of anti-SUOX (IP:15075-1-AP, 4ug; Detection:15075-1-AP 1:1200) with mouse liver tissue lysate 6000 ug.



1X10⁶ HeLa cells were stained with 0.2ug SUOX antibody (15075-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.