

For Research Use Only

PRDX3 Monoclonal antibody

Catalog Number: 66810-1-Ig

Featured Product

2 Publications



Basic Information

Catalog Number:

66810-1-Ig

Size:

150ul, Concentration: 1700 ug/ml by 10935
Nanodrop and 1000 ug/ml by Bradford
method using BSA as the standard;

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG1062

GenBank Accession Number:

BC007062

GeneID (NCBI):

10935

UNIPROT ID:

P30048

Full Name:

peroxiredoxin 3

Calculated MW:

27 kDa

Observed MW:

28 kDa

Purification Method:

Protein A purification

CloneNo.:

1F7F7

Recommended Dilutions:

WB: 1:20000-1:100000

IHC: 1:1000-1:4000

IF/ICC: 1:850-1:3400

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

rat, pig

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

Positive Controls:

WB: HeLa cells, HEK-293 cells, LNCaP cells, HepG2
cells, Jurkat cells, MCF-7 cells

IHC: human liver cancer tissue,

IF/ICC: HepG2 cells,

Notable Publications

Author	Pubmed ID	Journal	Application
Yanan Chen	34648904	Free Radic Biol Med	WB
Yan Liu	38417317	Ecotoxicol Environ Saf	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

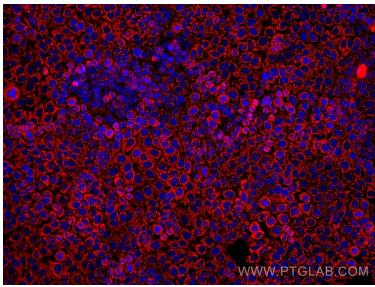
For technical support and original validation data for this product please contact:

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

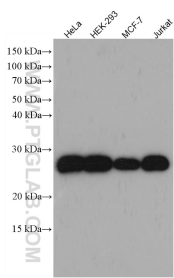
E: proteintech@ptglab.com
W: ptglab.com

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

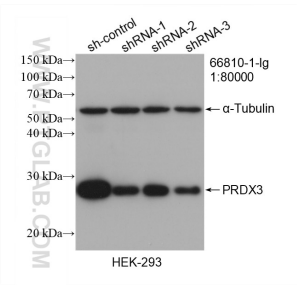
Selected Validation Data



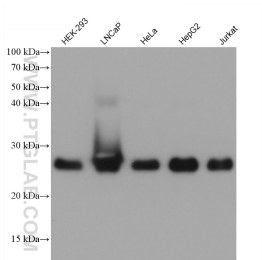
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using PRDX3 antibody (66810-1-Ig, Clone: 1F7F7) at dilution of 1:1700 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004).



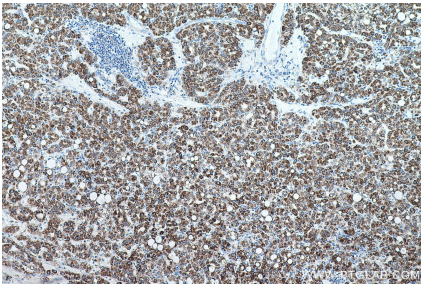
Various lysates were subjected to SDS PAGE followed by western blot with 66810-1-Ig (PRX3 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



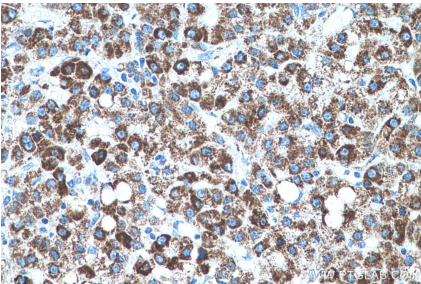
WB result of PRDX3 antibody (66810-1-Ig; 1:80000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PRDX3 transfected HEK-293 cells.



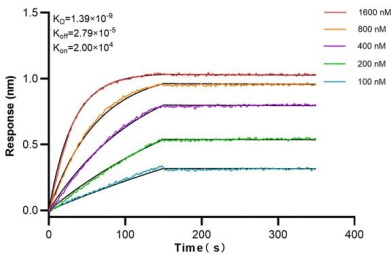
Various lysates were subjected to SDS PAGE followed by western blot with 66810-1-Ig (PRDX3 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66810-1-Ig (PRX3 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66810-1-Ig (PRX3 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 66810-1-Ig against Human PRDX3 were performed. The affinity constant is 1.39 nM.