

ENOX2 Polyclonal antibody

Catalog Number: 10423-1-AP

Featured Product

9 Publications

Basic Information

Catalog Number:

10423-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0674

GenBank Accession Number:

BC019254

GeneID (NCBI):

10495

UNIPROT ID:

Q16206

Full Name:

ecto-NOX disulfide-thiol exchanger 2

Calculated MW:

70 kDa

Observed MW:

70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF 1:50-1:500

Applications

Tested Applications:

IF/ICC, IHC, IP, WB, ELISA

Cited Applications:

WB, IP

Species Specificity:

human, mouse

Cited Species:

human, mouse

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: MCF-7 cells, HeLa cells, mouse ovary tissue, PC-3 cells

IP: MCF-7 cells,

IHC: human ovary tumor tissue,

IF: MCF-7 cells,

Background Information

Tumor-associated NADH oxidase (ENOX2) as a member of a family of growth-related NADH (or hydroquinone) oxidases. It functions as a terminal oxidase of plasma electron transport from cytosolic NAD(P)H via hydroquinones to acceptors at the cell surface. Hydroquinone oxidase activity alternates with a protein disulfide-thiol interchange/oxidoreductase activity which may control physical membrane displacements associated with vesicle budding or cell enlargement. The activities oscillate with a period length of 22 minutes and play a role in control of the ultradian cellular biological clock

Notable Publications

Author	Pubmed ID	Journal	Application
Jeng Shiun Chang	36230644	Cancers (Basel)	WB
Atikul Islam	34659883	Am J Cancer Res	IP
Chin-Fang Chang	33163267	Am J Cancer Res	IP

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

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

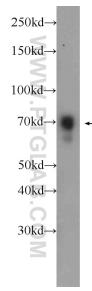
T: 4006900926

E: Proteintech-CN@ptglab.com

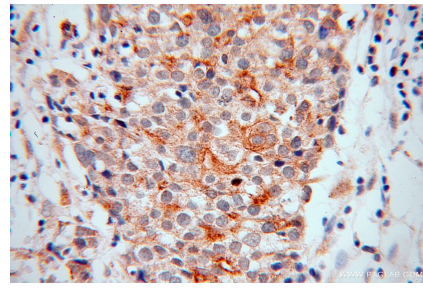
W: ptgcn.com

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

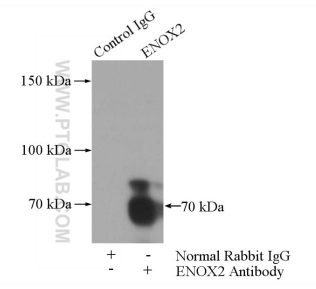
Selected Validation Data



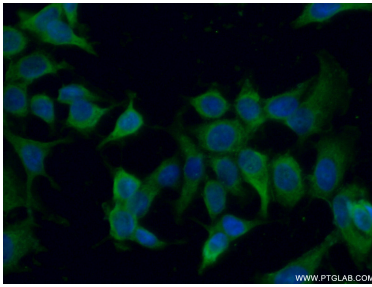
MCF-7 cells were subjected to SDS PAGE followed by western blot with 10423-1-AP (ENOX2 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor using 10423-1-AP (ENOX2 antibody) at dilution of 1:100 (under 40x lens).



IP result of anti-ENOX2 (IP:10423-1-AP, 3ug; Detection:10423-1-AP 1:700) with MCF-7 cells lysate 4000ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using 10423-1-AP (ENOX2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).