

For Research Use Only

ENOX2 Polyclonal antibody

Catalog Number:10423-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number:

10423-1-AP

Size:

150ul , Concentration: 400 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

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 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, 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/ICC : 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

*** 20ul sizes contain 0.1% BSA

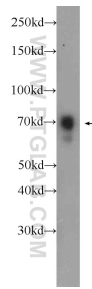
For technical support and original validation data for this product please contact:

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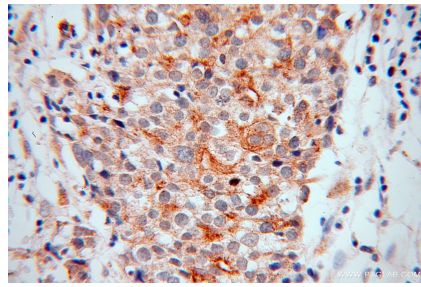
E: proteintech@ptglab.com
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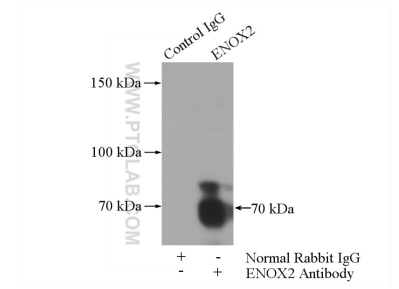
Selected Validation Data



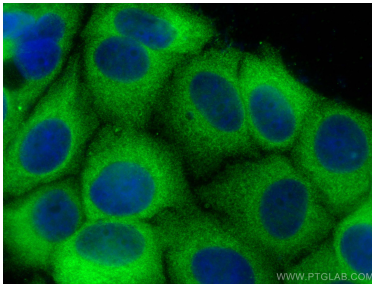
MCF-7 cells were subjected to SDS PAGE followed by western blot with 10423-1-AP (ENOX2 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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 Methanol) fixed MCF-7 cells using ENOX2 antibody (10423-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).