

For Research Use Only

ENOX2 Polyclonal antibody

Catalog Number: 10423-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number: 10423-1-AP	GenBank Accession Number: BC019254	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 400 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10495	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: ecto-NOX disulfide-thiol exchanger 2	IHC 1:20-1:200 IF 1:50-1:500
Isotype: IgG	Calculated MW: 70 kDa	
Immunogen Catalog Number: AG0674	Observed MW: 70 kDa	

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Cited Applications:

IP, WB

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

*** 20ul sizes contain 0.1% BSA

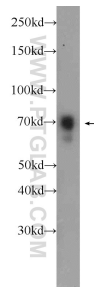
For technical support and original validation data for this product please contact:

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

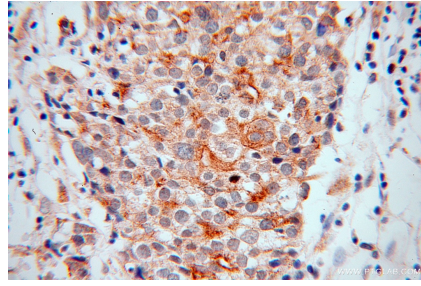
E: proteintech@ptglab.com
W: ptglab.com

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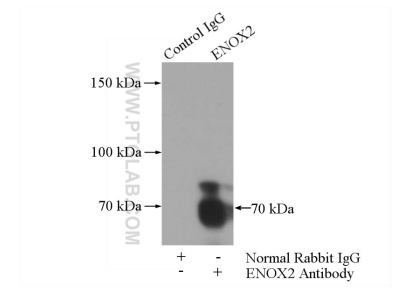
Selected Validation Data



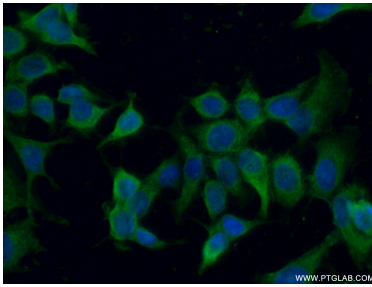
MCF-7 cells were subjected to SDS PAGE followed by western blot with 10423-1-AP (ENOX2 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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 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).