

Rabbit anti-Human, Mouse ENOX2 Polyclonal Antibody | anti-ENOX2 antibody

ENOX2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322978	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot

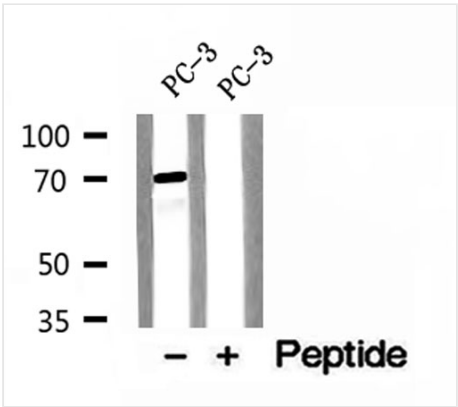
PRODUCT SYNONYMS

ENOX2; Polyclonal Antibody; ENOX2 Antibody; APK1; APK1 antigen; COVA1; Cytosolic ovarian carcinoma antigen 1; Ecto NOX disulfide thiol exchanger 2; ENOX 2; ENOX2_HUMAN; OTTHUMP00000024021; OTTHUMP00000024022; Protein disulfide-thiol oxidoreductase; tNOX; Tumor associated hydroquinone oxidase; Tumor-associated hydroquinone oxidase; anti-ENOX2 antibody

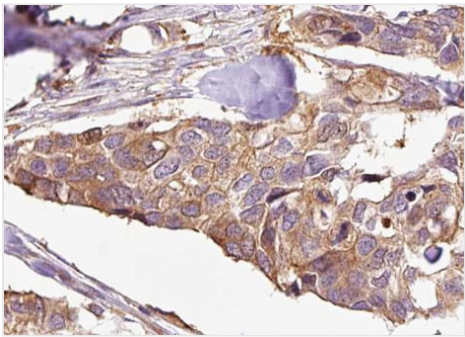
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	ENOX2 antibody detects endogenous levels of ENOX2.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	581
Applicable Applications for anti-ENOX2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ENOX2.
Subcellular Location	Cell Membrane. Secreted > Extracellular Space. Extracellular and Plasma Membrane-Associated.
Tissue Specificity	Found in the sera of cancer patients with a wide variety of cancers including breast, prostate, lung and ovarian cancers, leukemias, and lymphomas. Not found in the serum of healthy volunteers or patients with disorders other than cancer. Probably shed into serum by cancer cells. Found on the cell borders of renal, kidney and ovarian carcinomas but not on the borders of surrounding non-cancerous stromal cells.
Predicted Cross Reactivity	Pig, Zebrafish, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Zebrafish (82%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of PC-3 cells, using ENOX2 antibody.



IHC (Immunohistochemistry)
AAA322978 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-ENOX2 antibody	Function: May be involved in cell growth. Probably acts 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. Post-translational Modifications: Glycosylated. Similarity: Belongs to the ENOX family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	528524612
NCBI GeneID	10495
NCBI Accession #	NP_001268665.1
NCBI GenBank Nucleotide #	NM_001281736.1
UniProt Accession #	Q16206; Q5VTJ1; Q5VTJ2; Q8WUX0; Q9NTP6; Q9UH82; A8K197; A8K1C2
Molecular Weight	Observed: 70 kDa Predicted: 71 kDa
NCBI Official Full Name	ecto-NOX disulfide-thiol exchanger 2 isoform a
NCBI Official Synonym Full Names	ecto-NOX disulfide-thiol exchanger 2
NCBI Official Symbol	ENOX2
NCBI Official Synonym Symbols	APK1; tNOX; COVA1
NCBI Protein Information	ecto-NOX disulfide-thiol exchanger 2
UniProt Protein Name	Ecto-NOX disulfide-thiol exchanger 2
UniProt Gene Name	ENOX2
UniProt Synonym Gene Names	COVA1; tNOX

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.