

ENOX2 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12957a**Specification**

ENOX2 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q16206](#)**ENOX2 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 10495**Other Names**

Ecto-NOX disulfide-thiol exchanger 2, APK1 antigen, Cytosolic ovarian carcinoma antigen 1, Tumor-associated hydroquinone oxidase, tNOX, Hydroquinone [NADH] oxidase, 1---, Protein disulfide-thiol oxidoreductase, 1---, ENOX2, COVA1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ENOX2 Antibody (N-term) Blocking peptide - Protein Information**Name** ENOX2**Synonyms** COVA1**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.

Cellular Location

Cell membrane. Secreted, extracellular space. Note=Extracellular and plasma membrane-associated

Tissue Location

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

ENOX2 Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

ENOX2 Antibody (N-term) Blocking peptide - Images

ENOX2 Antibody (N-term) Blocking peptide - Background

The protein encoded by this gene is a growth-related cell surface protein. It was identified because it reacts with the monoclonal antibody KI in cells, such as the ovarian carcinoma line OVCAR-3, also expressing the CAKI surface glycoprotein. The encoded protein has two enzymatic activities: catalysis of hydroquinone or NADH oxidation, and protein disulfide interchange. The two activities alternate with a period length of about 24 minutes. The encoded protein also displays prion-like properties. Two transcript variants encoding different isoforms have been found for this gene.

ENOX2 Antibody (N-term) Blocking peptide - References

Morre, D.M., et al. Rejuvenation Res 13 (2-3), 162-164 (2010) :Morre, D.M., et al. Biofactors 34(3):237-244(2009) Mao, L.C., et al. FEBS Lett. 582 (23-24), 3445-3450 (2008) :Liu, S.C., et al. Biochem. Biophys. Res. Commun. 365(4):672-677(2008) Tang, X., et al. Oncol. Res. 16(12):557-567(2007)