

ENOX2 / APK1 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2617a

Specification

ENOX2 / APK1 Antibody (internal region) - Product Information

Application	E
Primary Accession	Q16206
Other Accession	NP_006366.2 , NP_872114.1 , 10495
Predicted	Human, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	70082

ENOX2 / APK1 Antibody (internal region) - 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

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ENOX2 / APK1 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

ENOX2 / APK1 Antibody (internal region) - 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 / APK1 Antibody (internal region) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ENOX2 / APK1 Antibody (internal region) - Images**ENOX2 / APK1 Antibody (internal region) - Background**

This antibody is expected to recognise both reported isoforms (NP_006366.2; NP_872114.1).

ENOX2 / APK1 Antibody (internal region) - References

tNOX is both necessary and sufficient as a ular target for the anticancer actions of capsaicin and the green tea catechin (-)-epigallocatechin-3-gallate. Chueh PJ, Wu LY, Morre DM, Morre DJ. Biofactors. 2004;20(4):235-49. PMID: 15706060