ARG63814
anti-ENPP1 / PC1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes ENPP1 / PC1
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat
Tested Application	IHC-P
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	ENPP1 / PC1
Species	Human
Immunogen	C-KTHLPTFSQED
Conjugation	Un-conjugated
Alternate Names	Membrane component chromosome 6 surface marker 1; EC 3.6.1.9; Ectonucleotide pyrophosphatase/phosphodiesterase family member 1; NPPase; PDNP1; PC-1; NPPS; NPP1; E-NPP 1; M6S1; Plasma-cell membrane glycoprotein PC-1; EC 3.1.4.1; COLED; PCA1; ARHR2; Phosphodiesterase I/nucleotide pyrophosphatase 1

Application Instructions

Application table

Application	Dilution
IHC-P	8 µg/ml

Application Note: IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

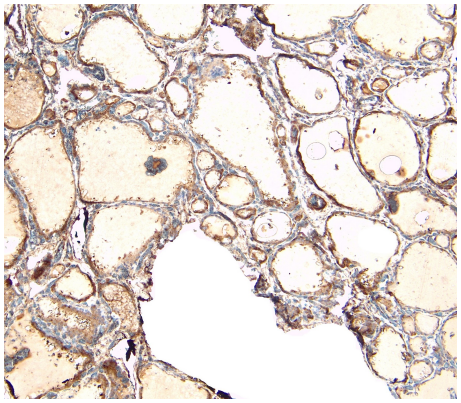
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 5167 Human Swiss-port # P22413 Human
Background	This gene is a member of the ecto-nucleotide pyrophosphatase/phosphodiesterase (ENPP) family. The encoded protein is a type II transmembrane glycoprotein comprising two identical disulfide-bonded subunits. This protein has broad specificity and cleaves a variety of substrates, including phosphodiester bonds of nucleotides and nucleotide sugars and pyrophosphate bonds of nucleotides and nucleotide sugars. This protein may function to hydrolyze nucleoside 5' triphosphates to their corresponding monophosphates and may also hydrolyze diadenosine polyphosphates. Mutations in this gene have been associated with 'idiopathic' infantile arterial calcification, ossification of the posterior longitudinal ligament of the spine (OPLL), and insulin resistance. [provided by RefSeq, Jul 2008]
Research Area	Cell Biology and Cellular Response antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	105 kDa
PTM	Autophosphorylated as part of the catalytic cycle of phosphodiesterase/pyrophosphatase activity. N-glycosylated. A secreted form is produced through cleavage at Lys-103 by intracellular processing.

Images



ARG63814 anti-ENPP1 / PC1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human thyroid gland tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0). The tissue section was stained with ARG63814 anti-ENPP1 / PC1 antibody at 8 µg/ml dilution followed by HRP-staining.