

Recombinant ENPP1/PC1 Monoclonal Antibody

catalog number: AN301994L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

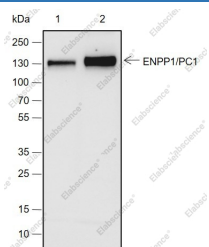
Reactivity	Human
Immunogen	Peptide. This information is proprietary to PTMab.
Host	Rabbit
Isotype	Rabbit IgG
Clone	C321615
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

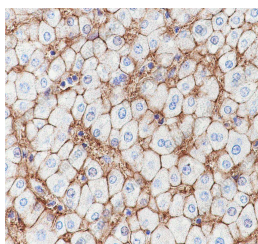
WB	1:2000-1:5000
IHC	1:50-1:100

Data

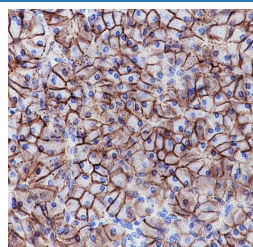


Western Blot with ENPP1/PC1 Monoclonal Antibody at dilution of 1:5000. Lane 1: MDA-MB-231, Lane 2: HepG2

Observed-MW:130 kDa
Calculated-MW:105 kDa



Immunohistochemistry of paraffin-embedded Human liver carcinoma(Adjacent) using ENPP1/PC1 Monoclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded Human pancreas using ENPP1/PC1 Monoclonal Antibody at dilution of 1:100.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

For Research Use Only

Toll-free: 1-888-852-8623
Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017

Rev. V1.3

Ectonucleotide pyrophosphatase-phosphodiesterase 1 (ENPP1) is a single-pass, type II transmembrane protein primarily involved in ATP hydrolysis at the plasma membrane. Targeting of ENPP1 to the basolateral cell surface relies on the presence of a carboxy-terminal di leucine-based signal. ENPP1 plays important roles in bone mineralization and soft tissue calcification. Mutations in the corresponding ENPP1 gene cause generalized arterial calcification in infancy (GACI) and idiopathic infantile arterial calcification (IIAC). ENPP1 inhibits insulin receptor function and overexpression of this enzyme causes insulin resistance and glucose intolerance in mice. Genetic variants of ENPP1 have been associated with obesity and type 2 diabetes.