

PRODUCT DATA SHEET

ENPP1 Human (HEK), Sheep Polyclonal Antibody

Cat. No.: RD184124100

Size: 0.1 mg

Source of Antigen: HEK293

Type: Polyclonal Antibody

Host: Sheep

Other Names:

Ectonucleotide pyrophosphatase/phosphodiesterase family member 1, E-NPP 1, Membrane component chromosome 6 surface marker 1, Phosphodiesterase I/nucleotide pyrophosphatase 1, NPP-1, Plasma-cell membrane glycoprotein, PC-1

Preparation:

The antibody was raised in sheep by immunization with the recombinant Human ENPP1 Protein.

Amino Acid Sequence of Immunogen:

Total 840 AA, UniProt P22413 (Lys98-Asp925). MW: 96.5 kDa (calculated), migrates at ~ 110 kDa on SDS PAGE; N-terminal linker (2 extra AA), C-terminal linker (4 extra AA) and C-terminal His-tag (6 extra AA).

ASKPSCAKEV KSCKGRCFER TFGNCRCDAA CVELGNCCLD YQETCIEPEH
IWTCNKFRCG EKRLTRSLCA CSDDCKDKGD CCINYSSVCQ GEKSWVEEPC
ESINEPQCPA GFETPPTLLF SLDGFRAEYL HTWGGLLPVI SKLKKCGTYT KNMRPVYPTK
TFPNHYSIVT GLYPESHGII DNKMYDPKMN ASFSLKSKEK FNPEWYKGEP IWVTAKYQGL
KSGTFFWPGS DVEINGIFPD IYKMYNGSVP FEERILAVLQ WLQLPKDERP HFYTLYLEEP
DSSGHSYGPV SSEVIKALQR VDGMVGMMLMD GLKELNLHRC LNLILSDHG MEQGSCKKYI
YLNKYLGDVK NIKVIYGPA RLRPSDVPDK YYSFNIEGIA RNLSCREPNQ HFKPYLKHFL
PKRLHFAKSD RIEPLTFYLD PQWQLALNPS ERKYCGSGFH GSDNVFSNMQ
ALFVGYGPGF KHGIEADTFE NIEVYNLMCD LLNLTPAPNN GTHGSLNHLL KNPVYTPKHP
KEVHPLVQCP FTRNPRDNLG CSCNPSILPI EDFQTQFNLT VAEKIKHE TLPYGRPRVL
QKENTICLLS QHQFMSGYSQ DILMPLWTSY TVDRNDSFST EDFSNCLYQD FRIPLSPVHK
CSFYKNNTKV SYGFLSPPQL NKNSSGIYSE ALLTTNIVPM YQSFQVIWRY FHDTLLRKYA
EERNGVNVVS GPVDFDFYDG RCDSELENLRQ KRRVIRNQEI LIPTHFFIVL TSCKDTSQTP
LHCENLDTLA FILPHRTDNS ESCVHGKHS SWVEELLMLH RARITDVEHI TGLSFYQQRK
EPVSDILKLG THLPTFSQED GPKLHHHHHH

Purification Method:

Immunoaffinity chromatography on a column with immobilized recombinant Human ENPP1 Protein.

Species Reactivity:

Human. Not yet tested in other species.

Antibody Content:

0.1 mg (determined by BCA method, BSA was used as a standard)

Formulation:

The antibody is lyophilized in 0.05 M phosphate buffer, 0.1 M NaCl, pH 7.2. ****AZIDE FREE****.

Reconstitution:

Add 0.2 ml of deionized water and let the lyophilized pellet dissolve completely. Slight turbidity may occur after reconstitution, which does not affect activity of the antibody. In this case clarify the solution by centrifugation.

Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage/Stability:

The lyophilized antibody remains stable and fully active until the expiry date when stored at -20°C . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles and store frozen at -80°C . Reconstituted antibody can be stored at 4°C for a limited period of time; it does not show decline in activity after one week at 4°C .

Quality Control:

Indirect ELISA – to determine titer of the antibody
SDS PAGE – to determine purity of the antibody
BCA - to determine quantity of the antibody

Applications:

ELISA, Immunohistochemistry, Western blotting

Note:

This product is for research use only.