

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 KSCCKGRCFER TFGNCRCDAA CVELGNCCLD YQETCIEPEH IWTCNKFRCG
EKRLTRSLCA CSDDCKDKGD CCINYSSVCQ GEKSWVEEPC ESINEPQCPA GFETPPTLLF
SLDGFRAYEL HTWGGLLPVI SKLKKGCTYT KNMRPVYPTK TFPNHYSIVT GLYPESHGII
DNKMYDPKMN ASFSLKSKEK FNPEWYKGEP IWVTAKYQGL KSGTFFWPGS DVEINGIFPD
IYKMYNGSVP FEERILAVLQ WLQLPKDERP HFYTLYLEEP DSSGHSYGPV SSEVIKALQR
VDGMVGMLMD GLKELNLHRC LNLILISDHG MEQGSCKKYI YLNKYLGDVK NIKVIYGPAA
RLRPDVPDK YYSFNYEGIA RNLSCREPNQ HFKPYLKHFL PKRLHFAKSD RIEPLTFYLD
PQWQLALNPS ERKYCGSGFH GSDNVFSNMQ ALFVGYPGPF KHGIEADTFE NIEVYNLMCD
LLNLTPAPNN GTHGSLNHL KNPVYTPKHP KEVHPLVQCP FTRNPRDNLG CSCNPSILPI
EDFQTQFNLT VAEKIKIHE TLPYGRPRVL QKENTICLLS QHQFMSGYSQ DILMPLWTSY
TVDRNDSFST EDFSNCLYQD FRIPLSPVHK CSFYKNNTKV SYGFLSPPQL NKNSSGIYSE
ALLTTNIVPM YQSFQVIWRY FHDTLRKYA EERNGVNVVS GPVFDFDYDG RCDSLENLRQ
KRRVIRNQEI LIPTHFFIVL TSCKDTSQTP LHCENLDTLA FILPHRTDNS ESCVHGKHDS
SWVEELLMLH RARITDVEHI TGLSFYQQRK EPVSDILKLK 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.

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.