

PRODUCT DATA SHEET

Osteoactivin/GPNMB Human (HEK), Sheep Polyclonal Antibody

Cat. No.: RD184170100

Source of Antigen: HEK293

Host: Sheep

Size: 0.1 mg

Type: Polyclonal Antibody

Other Names:

Preparation:

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

Amino Acid Sequence of Immunogen:

Total 477 AA (whole extracellular domain Ala 22 – Pro 486). MW: 53.7 kDa (calculated), migrates at ~ 97 kDa on SDS-PAGE; C-terminal linker (Lys, Leu) and 10× His-tag (10 extra AA).

```
AKRFHDLVGN ERPSAYMREH NQLNGWSSDE NDWNEKLYPV WKRGDMRWKN SWKGGRVQAV
LTSDSPALVG SNITFAVNLI FPRCQKEDAN GNIVYEKNCR NEAGLSADPY VYNWTAWSED
SDGENGTGQS HHNVFPDGKP FPHHPGWRRW NFIYVFHTLG QYFQKLGRCs VRVSVNTANV
TLGPQLMEVT VYRRHGRAYV PIAQVKDVYV VTDQIPVFVT MFQKNDNRNS DETFLKDLPI
MFDVLIHDPS HFLNYSTINY KWSFGDNTGL FVSTNHTVNH TYVLNGTFSL NLTVKAAAPG
PCPPPPPPPR PSKPTPSLAT TLKSYSNTNP GPAGDNPLEL SRIPDENCQI NRYGHFQATI
TIVEGILEVN IIQMTDVLMP VPWPESLID FVVTCSQSIP TEVCTIISDP TCEITQNTVC
SPVDVDEMCL LTVRRFTNGS GTYCVNLTGL DDTSLALTST LISVPKLHHH HHHHHHH
```

Purification Method:

Immunoaffinity chromatography on a column with immobilized recombinant Human Osteoactivin.

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.