

PRODUCT DATA SHEET

Osteoblast Specific Factor 2 Human, Rabbit Polyclonal Antibody

Cat. No.: RD181045050

Size: 0.05 mg

Source of Antigen: E. coli

Type: Polyclonal Antibody

Host: Rabbit

Other Names:

Periostin, PN, OSF-2, POSTN, Fasciclin-I like, Osteoblast Specific Factor 2 (Pleiotrophin, PTN, Heparin-binding growth-associated molecule, HB-GAM, Heparin-binding growth factor 8, HBGF-8, OSF-2, Heparin-binding neurite outgrowth-promoting factor 2, HBNF-2, Heparin-binding brain mitogen, HBBM), NCK

Preparation:

The antibody was raised in rabbits by immunization with the recombinant Human OSF-2.

Amino Acid Sequence of Immunogen:

The immunization antigen (75 kDa) is a protein containing 648 AA of recombinant Human OSF-2 and 23 AA, N-Terminal HisTag and Xa – cleavage site (highlighted). The antigen contains amino acid residues 22 to 669 of the human OSF-2 precursor. The antigen includes all four fasciclin domains of OSF-2.

MGHHHHHHHH HHSSGHIEGR HMRNNHYDKI LAHSRIRGRD QGPNVCALQQ
ILGTTKKYFS TCKNWKYSI CGQKTTVLYE CCPGYMRMEG MKGCPAVLPI DHVYGTGLGIV
GATTTQRYSD ASKLREEIEG KGSFTYFAPS NEAWDNLDSD IRRGLESNVN VELLNALHSH
MINKRMLTKD LKNGMIIPSM YNNLGLFINH YPNGVVTVNC ARIIHGNQIA TNGVVHVIDR
VLTQIGTSIQ DFIEAEDDLS SFRAAAITSD ILEALGRDGH FTLFAPTNEA FEKLPRGVLE
RFMGDKVASE ALMKYHILNT LQCSESIMGG AVFETLEGNT IEIGCDGDSI TVNGIKMVNK
KDIVTNGVI HLIDQVLIPD SAKQVIELAG KQQTTFDLV AQLGLASALR PDGEYTLAP
VNNAFSDDL SMVQRLLKLI LQNHLKVKV GLNELYNGQI LETIGGKQLR VFVYRTAVCI
ENSCMEKGSK QGRNGAIHIF REIKPAEKS LHEKLNKQDKR FSTFLSLLEA ADLKELLTQP
GDWTLFVPTN DAFKGMTSEE KEILIRDKNA LQNIILYHLT PGVFIGKGFV PGVTNLIKTT
QGSKIFLKEV NDTLLVNEK SKESDIMTTN GVIHVVDKLL YPADTPVGNL QLLEILNKLI
KYIQIKFVRG STFKEIPVTV Y

Purification Method:

Immunoaffinity chromatography on a column with immobilized recombinant Human OSF-2.

Species Reactivity:

Human, Rat, Chicken, Mouse. Not yet tested in other species.

Antibody Content:

0.05 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 0.1 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:

Immunohistochemistry, Western blotting

Note:

This product is for research use only.