

## 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. 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 ILGTKKKYFS  
TCKNWKYSI CGQKTTVLYE CCPGYMRMEG MKGCPAVLPI DHVYGTLGIV GATTTQRYSD  
ASKLREEIEG KGSFTYFAPS NEAWDNLSD IRRGLESNVN VELLNALHSH MINKRMLTKD  
LKNMIIPSM YNNLGLFINH YPNGVTVNC ARIIHGNQIA TNGVVHVIDR VLTQIGTSIQ  
DFIEAEDDLS SFRAAAITSD ILEALGRDGH FTLFAPTNEA FEKLPRGVLE RFMGDKVASE  
ALMKYHILNT LQCSESIMGG AVFETLEGNT IEIGCDGDSI TVNGIKMVNK KDIVTNNNGVI  
HLIDQVLIPD SAKQVIELAG KQQTTFDLDV AQLGLASALR PDGEYTLAP VNNAFSDDTL  
SMVQRLLKLI LQNHILKVKV GLNELYNGQI LETIGGKQLR VFVYRTAVCI ENSCMEKGSK  
QGRNGAIHIF REIHKPAEKS LHEKLRQDKR FSTFSLLEA ADLKELLTQP GDWTLFVPTN  
DAFKGMTSEE KEILIRDKNA LQNIILYHLT PGVFIGKGF PGVTNLIKTT QGSKIFLKEV  
NDTLVNELK SKESDIMTTN GVIHVVDKLL YPADTPVGND QLEILNKLI 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.

**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.