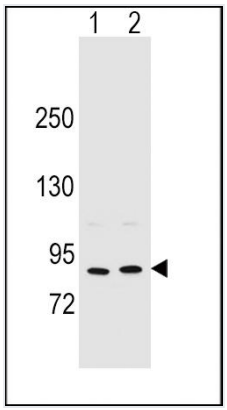
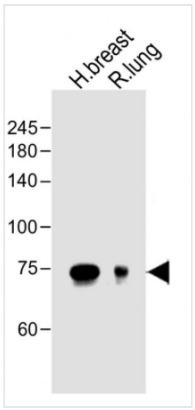
Osteoblast Specific Factor 2 (OSF-2) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

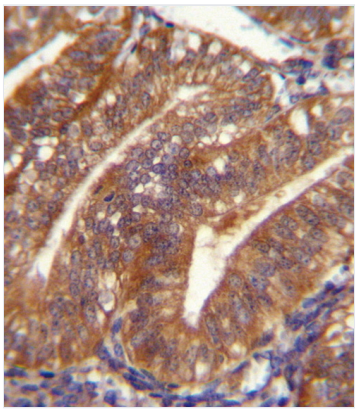
Product Name	Osteoblast Specific Factor 2 (OSF-2), Polyclonal Antibody
Full Product Name	Osteoblast Specific Factor 2 (OSF-2, Periostin, Fasciclin-I like) (MaxLight 550)
Product Gene Name	anti-OSF-2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Rat
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human Osteoblast Specific Factor 2. Species Crossreactivity: rat
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	80,357 Da
OMIM	608777
3D Structure	ModBase 3D Structure for Q15063
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 687-716 in the C-terminal region of human Osteoblast Specific Factor 2.
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-OSF-2 antibody	Antibodies; Growth Factors; Cytokines
Applications Tested/Suitable for anti-OSF-2 antibody	Immunohistochemistry (IHC) Paraffin, FLISA, Western Blot (WB), Flow Cytometry (FC/FACS), Immunofluorescence (IF)
Application Notes for anti-OSF-2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-OSF-2 antibody	MBS6491185 is an antibody targeting OSF-2. Also known as Osteoblast Specific Factor 2 (OSF-2, Periostin, Fasciclin-I like) (MaxLight 550). Reactive in Human, Rat. Host: Rabbit.
Product References and Citations for anti-OSF-2 antibody	1. Horiuchi K, Amizuka N, Takeshita S, Takamatsu H, Katsuura M, Ozawa H, Toyama Y, Bonewald LF, Kudo A. J Bone Miner Res. 1999; 14: 1239-49. 2. Takeshita S, Kikuno R, Tezuka K, Amann E. Biochem J. 1993; 294 (Pt1): 271-8. 3. Ulstrup JC, Jeansson S, Wiker HG, Harboe M. Infect Immun. 1995; 63: 672-5.
Other Notes	Small volumes of anti-OSF-2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



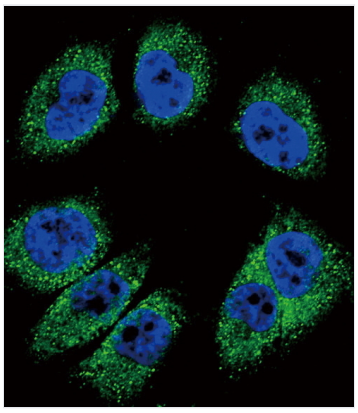
Western Blot (WB) of anti-OSF-2 antibody
Western Blot analysis in MCF-7 (lane 1), A375 (lane 2) cell line lysates (35ug/lane) using O8057-07. This demonstrates that O8057-07 detected the Osteoblast Specific Factor 2 protein (arrow).



Western Blot (WB) of anti-OSF-2 antibody
Western Blot using O8057-07 (1:1000) Lane 1: human breast lysate Lane 2: rat lung lysate Lysates/proteins at 20ug/lane. Secondary IgG (HRP)Goat Anti-Rabbit at 1:10,000. Predicted band size: 93kD. Blocking/Dilution buffer: 5% NFDM/TBST.



Immunohistochemistry (IHC) of anti-OSF-2 antibody
Immunohistochemistry analysis in formalin fixed and paraffin embedded human uterus tissue using O8057-07 followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of O8057-07 for immunohistochemistry.



Immunofluorescence (IF) of anti-OSF-2 antibody
Confocal Immunofluorescence analysis of in A375 cells using O8057-07 followed by Alexa Fuor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OSF-2. It may not necessarily be applicable to this product.

NCBI GI #	209862907
NCBI GeneID	10631
NCBI Accession #	NP_006466
UniProt Primary Accession #	Q15063
UniProt Secondary Accession #	Q15064; Q29XZ0; Q3KPJ5; Q5VSY5; Q8IZF9; B1ALD8; C0IMJ1; C0IMJ2; C0IMJ4; D2KRH7; F5H628
UniProt Related Accession #	Q15063
GenBank Nucleotide #	NM_006475
NCBI Official Full Name	periostin isoform 1
NCBI Official Synonym Full Names	periostin, osteoblast specific factor
NCBI Official Symbol	POSTN
NCBI Official Synonym Symbols	PN; OSF2; OSF-2; PDLPOSTN; periostin
UniProt Protein Name	Periostin
UniProt Synonym Protein Names	Osteoblast-specific factor 2

Protein Family	Periostin
UniProt Gene Name	POSTN
UniProt Synonym Gene Names	OSF2; PN; OSF-2
UniProt Entry Name	POSTN_HUMAN
NCBI Protein Information	periostin; osteoblast specific factor 2 (fasciclin I-like); periodontal ligament-specific periostin
UniProt Comments for OSF-2	POSTN: Binds to heparin. Induces cell attachment and spreading and plays a role in cell adhesion. May play a role in extracellular matrix mineralization. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Motility/polarity/chemotaxis; Secreted; Cell adhesion; Secreted, signal peptide Chromosomal Location of Human Ortholog: 13q13.3 Cellular Component: extracellular matrix; proteinaceous extracellular matrix; extracellular space; trans-Golgi network Molecular Function: heparin binding; protein binding; cell adhesion molecule binding Biological Process: tissue development; extracellular matrix organization and biogenesis; regulation of Notch signaling pathway; cell adhesion; skeletal development
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-osf-2-human-rat-antibody/osteoblast-specific-factor-2/6491185