POSTN Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	POSTN, Polyclonal Antibody
Full Product Name	POSTN Conjugated Antibody
Product Gene Name	anti-POSTN antibody
Product Synonym Names	PN; OSF2; OSF-2; PDLPOSTN; periostin
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous level of total POSTN antibody.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	93,314 Da
OMIM	608777
3D Structure	ModBase 3D Structure for Q15063
Immunogen	Recombinant protein of human POSTN.
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-POSTN antibody	Most Applications
Application Notes for anti-POSTN antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-POSTN antibody	MBS9448573 is an antibody targeting POSTN. Also known as POSTN Conjugated Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-POSTN 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.

ADDITIONAL DETAILS

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

NCBI GI #	209862907

NCBI GeneID	10631
NCBI Accession #	NP_006466.2
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_006475.2
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; periodontal ligament-specific periostin; osteoblast specific factor 2 (fasciclin I-like)
NCBI Summary for POSTN	This gene encodes a secreted extracellular matrix protein that functions in tissue development and regeneration, including wound healing, and ventricular remodeling following myocardial infarction. The encoded protein binds to integrins to support adhesion and migration of epithelial cells. This protein plays a role in cancer stem cell maintenance and metastasis. Mice lacking this gene exhibit cardiac valve disease, and skeletal and dental defects. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2015]
UniProt Comments for POSTN	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
Research Articles on POSTN	**1.** Periostin plays an important role for proper collagen assembly and homeostasis. During skin aging periostin expression decreases and contributes to the phenotype of aged skin.
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-human-mouse-rat-antibody/postn/9448573