10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

OIF Rabbit pAb

Catalog # AP99369

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P20774
Other Accession	P20774
Reactivity	Rat
Predicted	Pig, Human, Mouse, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33922
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human OIF
Epitope Specificity	101-200/298
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the small leucine-rich proteoglycan (SLRP) family. SLRP class III subfamily.Contains 7 LRR (leucine-rich) repeats.
Post-translational modifications	N- and O-glycosylated. O-glycosylated with a core 1 or possibly core 8 glycan.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The small leucine-rich proteoglycan (SLRP) family of proteins contains various proteins such as Decorin, Biglycan, Fibromodulin, Keratocan, Lumican, Osteoadherin and Osteoglycin. These proteins all have similar functions as they all mediate extracellular matrix organization and act as binding partners of TGF beta. Osteoglycin, which also may be designated osteoinductive factor (OIF), is a secreted protein detected in bone tissues. Osteoglycin induces the formation of bone in conjunction with either TGF-beta-1 or TGF-beta-2. The precursor form of the OGN gene product, designated Mimecan, is subject to in situ proteolytic cleavage to yield the mature Osteoglycin.

Additional Information

Gene ID	4969
Other Names	OG; OIF; SLRR3A; MIME_HUMAN; OGN; Osteoglycin; Osteoinductive factor (OIF); osteoglycin (osteoinductive factor); mimecan proteoglycan
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	OGN
Synonyms	OIF, SLRR3A
Function	Induces bone formation in conjunction with TGF-beta-1 or TGF- beta-2.
Cellular Location	Secreted, extracellular space, extracellular matrix {ECO:0000250|UniProtKB:Q8MJF1}
Tissue Location	Bone.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.