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NELL1 Rabbit pAb

Catalog # AP98141

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q92832
Other Accession	Q92832
Reactivity	Mouse
Predicted	Rat, Human, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	89635
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NELL1
Epitope Specificity	201-300/810
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 6 EGF-like domains. Contains 1 TSP N-terminal (TSPN) domain. Contains 5 VWFC domains.
SUBUNIT	Homotrimer. Binds to PKC beta-1. Interacts with ATRAID; the interaction promotes osteoblast cell differentiation and mineralization.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a cytoplasmic protein that contains epidermal growth factor (EGF)-like repeats. The encoded heterotrimeric protein may be involved in cell growth regulation and differentiation. A similar protein in rodents is involved in craniosynostosis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]

Additional Information

Gene ID	4745
Other Names	IDH3GL; NRP1; B230343H07Rik; l7R6; NELL1_HUMAN; NELL1; NEL-like protein 1; Nel-related protein 1; NELL1_MOUSE; NELL1_RAT; neural EGFL like 1; nel (chicken)-like 1; NEL-like 1 (chicken)
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	NELL1
Synonyms	NRP1
Function	Plays a role in the control of cell growth and differentiation. Promotes osteoblast cell differentiation and terminal mineralization.
Cellular Location	Cytoplasm. Nucleus envelope. Secreted {ECO:0000250|UniProtKB:Q62919}. Note=Colocalizes with ATRAID on the nuclear envelope and the perinuclear region

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