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

PRRG1 Rabbit pAb

Catalog # AP97167

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	O14668
Other Accession	O14668
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24947
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PRRG1
Epitope Specificity	21-100/318
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 1 Gla (gamma-carboxy-glutamate) domain.
Post-translational modifications	Gla residues are produced after subsequent post-translational modifications of glutamate by a vitamin K-dependent gamma-carboxylase.
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 vitamin K-dependent, gamma-carboxyglutamic acid (Gla)-containing, single-pass transmembrane protein. This protein contains a Gla domain at the N-terminus, preceded by a propeptide sequence required for post-translational gamma-carboxylation of specific glutamic acid residues by a vitamin K-dependent gamma-carboxylase. The C-terminus is proline-rich containing PPXY and PXXP motifs found in a variety of signaling and cytoskeletal proteins. This gene is highly expressed in the spinal cord. Several alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Mar 2010]

Additional Information

Gene ID	5638
Other Names	TMG1; PRGP1; 2010007L08Rik; RGD1561320; TMG1_BOVIN; PRRG1; Proline-rich gamma-carboxyglutamic acid protein 1 (Proline-rich Gla protein 1); TMG1_HUMAN; proline rich and Gla domain 1; proline-rich Gla (G-carboxyglutamic acid) polypeptide 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=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	PRRG1
Synonyms	PRGP1, TMG1
Cellular Location	Membrane; Single-pass type I membrane protein
Tissue Location	Highly expressed in the spinal cord.

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