

PRRG1 Rabbit pAb

Catalog # AP97167

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	O14668
Other Accession	O14668
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'.