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[Marker Primary Antibody]

Rabbit Anti-PRRG1/Biotin Conjugated antibody

Catalog Number: SL19433R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-PRRG1/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human PRRG1
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:50-200 IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat,Cow)
Background:	background: 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] **Subcellular Location:** Membrane. **Tissue Specificity:** Highly expressed in the spinal cord. **Post-translational modifications:** Gla residues are produced after subsequent

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	post-translational modifications of glutamate by a vitamin K-dependent gamma-carboxylase. **Similarity:** Contains 1 Gla (gamma-carboxy-glutamate) domain. **Database links:** **Entrez Gene:** 785916 Cow **Entrez Gene:** 5638 Human **Entrez Gene:** 546336 Mouse **Entrez Gene:** 363472 Rat Omim: 604428 Human **SwissProt:** A7Z070 Cow **SwissProt:** O14668 Human **Unigene:** 190341 Human Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.