



Rabbit Anti-IMPG1 antibody

SL16626R

Product Name:	IMPG1
Chinese Name:	IMPG1蛋白抗体
Alias:	IPM150; GP147; IMPG1; IMPG1_HUMAN; Interphotoreceptor matrix proteoglycan 1; Interphotoreceptor matrix proteoglycan of 150 kDa; IPM-150; IPM150; Sialoprotein associated with cones and rods; SPACR.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	87kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human IMPG1:601-700/797
Isotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a protein that is a major component of the retinal interphotoreceptor matrix. The encoded protein is a proteoglycan that is thought to play a role in maintaining viability of photoreceptor cells and in adhesion of the neural retina to the retinal pigment epithelium. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]

Function:

May interact with hyaluronan which may serve to form a basic macromolecular scaffold comprising the insoluble interphotoreceptor matrix.

Subcellular Location:

Secreted.

Tissue Specificity:

Abundantly expressed in retina where it is specifically expressed by cone and rod photoreceptor cells. Localizes to cone and rod photoreceptor cells surrounding the interphotoreceptor matrix of the retina.

Post-translational modifications:

The N-terminus is blocked.

Highly glycosylated (N- and O-linked carbohydrates and sialic acid).

Similarity:

Contains 2 SEA domains.

SWISS:

Q17R60

Gene ID:

3617

Database links:

[Entrez Gene: 3617](#) Human

[Entrez Gene: 63859](#) Mouse

[Entrez Gene: 66014](#) Rat

[Omid: 602870](#) Human

[SwissProt: Q17R60](#) Human

[SwissProt: Q8R1W8](#) Mouse

[SwissProt: Q9ET62](#) Rat

[Unigene: 590893](#) Human

[Unigene: 422780](#) Mouse

[Unigene: 64488](#) Rat

	<p>Important Note:</p>
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