

**IMPG1 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP56336****Specification****IMPG1 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q17R60</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	87 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human IMPG1
Epitope Specificity	601-700/797
Isotype	IgG
<b>Purity</b>	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted.
SIMILARITY	Contains 2 SEA domains.
Post-translational modifications	The N-terminus is blocked. Highly glycosylated (N- and O-linked carbohydrates and sialic acid).
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 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]

**IMPG1 Polyclonal Antibody - Additional Information****Gene ID** 3617**Other Names**

Interphotoreceptor matrix proteoglycan 1, Interphotoreceptor matrix proteoglycan of 150 kDa, IPM-150, Sialoprotein associated with cones and rods, IMPG1 {ECO:0000312|EMBL:AAI17453.1}

**Target/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.

**Dilution**

<span class = "dilution\_IHC-P">IHC-P~~N/A</span><br \><span class = "dilution\_IHC-F">IHC-F~~N/A</span><br \><span class = "dilution\_IF">IF~~1:50~200</span><br \><span class = "dilution\_ICC">ICC~~N/A</span><br \><span class = "dilution\_E">E~~N/A</span>

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**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.

**IMPG1 Polyclonal Antibody - Protein Information**

**Name** IMPG1 {ECO:0000312|EMBL:AAI17453.1}

**Function**

Chondroitin sulfate-, heparin- and hyaluronan-binding protein (By similarity). May serve to form a basic macromolecular scaffold comprising the insoluble interphotoreceptor matrix (PubMed:<a href="http://www.uniprot.org/citations/9813076" target="\_blank">9813076</a>).

**Cellular Location**

Cell projection, cilium, photoreceptor outer segment. Secreted, extracellular space, extracellular matrix, interphotoreceptor matrix. Photoreceptor inner segment {ECO:0000250|UniProtKB:Q8R1W8}

**Tissue Location**

Expressed in the retina (at protein level) (PubMed:10601738, PubMed:29777959). In the retina, specifically expressed by cone and rod photoreceptor cells (PubMed:9813076) Localizes to cone and rod photoreceptor cells surrounding the interphotoreceptor matrix of the retina (PubMed:9719680)

**IMPG1 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**IMPG1 Polyclonal Antibody - Images**