

# IMPG1 Rabbit pAb

IMPG1 Rabbit pAb  
Catalog # AP56336

## Product Information

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| <b>Application</b>             | IHC-P, IHC-F, IF                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Primary Accession</b>       | <a href="#">Q17R60</a>                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Predicted</b>               | Rat, Pig, Dog, Human, Mouse, Rabbit, Sheep                                                                                                                                                                                                                                                                                                                                              |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Clonality</b>               | Polyclonal                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Calculated MW</b>           | 89387                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Physical State</b>          | Liquid                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Immunogen</b>               | KLH conjugated synthetic peptide derived from human IMPG1                                                                                                                                                                                                                                                                                                                               |
| <b>Epitope Specificity</b>     | 601-700/797                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Isotype</b>                 | IgG                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>                  | affinity purified by Protein A                                                                                                                                                                                                                                                                                                                                                          |
| <b>Buffer</b>                  | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                                                                                                                                                                                                                                                                                       |
| <b>SUBCELLULAR LOCATION</b>    | Secreted.                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Important Note</b>          | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.                                                                                                                                                                                                                                                               |
| <b>Background Descriptions</b> | 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] |

## Additional Information

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| <b>Gene ID</b>     | 3617                                                                                                                                                                                            |
| <b>Other Names</b> | Interphotoreceptor matrix proteoglycan 1, Interphotoreceptor matrix proteoglycan of 150 kDa, IPM-150, Sialoprotein associated with cones and rods, IMPG1 {ECO:0000312 EMBL:AAI17453.1}          |
| <b>Dilution</b>    | IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500<br>0-10000                                                                                                            |
| <b>Storage</b>     | 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

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| <b>Name</b> | IMPG1 {ECO:0000312 EMBL:AAI17453.1} |
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|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Function</b>          | 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="#">9813076</a> ).                                                                          |
| <b>Cellular Location</b> | Cell projection, cilium, photoreceptor outer segment. Secreted, extracellular space, extracellular matrix, interphotoreceptor matrix. Photoreceptor inner segment {ECO:0000250 UniProtKB:Q8R1W8}                                                                                                 |
| <b>Tissue Location</b>   | 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) |

## Background

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