

IMPG1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP4884a**Specification**

IMPG1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q17R60](#)**IMPG1 Antibody (N-term) Blocking Peptide - 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:AAI174531}

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

IMPG1 Antibody (N-term) Blocking Peptide - 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:9813076).

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 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

IMPG1 Antibody (N-term) Blocking Peptide - Images

IMPG1 Antibody (N-term) Blocking Peptide - Background

IMPG1 may interact with hyaluronan which may serve to form a basic macromolecular scaffold comprising the insoluble interphotoreceptor matrix.

IMPG1 Antibody (N-term) Blocking Peptide - References

Abd El-Aziz, M.M., et al. Curr. Eye Res. 30(12):1081-1087(2005)van Lith-Verhoeven, J.J., et al. Invest. Ophthalmol. Vis. Sci. 45(1):30-35(2004)Mungall, A.J., et al. Nature 425(6960):805-811(2003)