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IMPG2 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12766

Product Information

Application	WB
Primary Accession	Q9BZV3
Other Accession	NM_016247, NP_057331
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Chicken, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	138621

Additional Information

Gene ID	50939
Alias Symbol	IPM 200, IPM200, SPACRCAN, RP56
Other Names	Interphotoreceptor matrix proteoglycan 2, Interphotoreceptor matrix proteoglycan of 200 kDa, IPM 200, Sialoprotein associated with cones and rods proteoglycan, Spacrcan, IMPG2, IPM200
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-IMPG2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	IMPG2 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

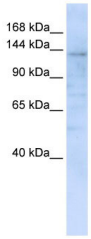
Name	IMPG2
Synonyms	IPM200
Function	Chondroitin sulfate- and hyaluronan-binding proteoglycan involved in the organization of interphotoreceptor matrix; may participate in the maturation and maintenance of the light-sensitive photoreceptor outer segment. Binds heparin.
Cellular Location	Photoreceptor outer segment membrane; Single-pass type I membrane protein. Photoreceptor inner segment membrane

	{ECO:0000250|UniProtKB:Q80XH2}; Single-pass type I membrane protein. Secreted, extracellular space, extracellular matrix, interphotoreceptor matrix
Tissue Location	Expressed in the retina (at protein level) (PubMed:10702256, PubMed:29777959). Expressed by photoreceptors of the interphotoreceptor matrix (IPM) surrounding both rods and cones (at protein level) (PubMed:10542133, PubMed:29777959). IPM occupies the subretinal space between the apices of the retinal pigment epithelium and the neural retina (PubMed:10542133). Expressed in the pineal gland (at protein level) (PubMed:10702256).

References

Acharya,S.,(2000)J.Biol.Chem.275(10),6945-6955ReconstitutionandStorage:Forshorttermuse,storeat2-8Cupto 1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.

Images



WB Suggested Anti-IMPG2 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: 293T cell lysate

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