10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MFRP Rabbit pAb

MFRP Rabbit pAb
Catalog # AP57297

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9BY79
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	62212
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MFRP
Epitope Specificity	431-530/579
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; Single-pass type II membrane protein
DISEASE	Nanophthalmos 2 (NNO2) [MIM:609549]: Rare autosomal recessive disorder of eye development characterized by extreme hyperopia and small functional eyes. Note: The disease is caused by mutations affecting the gene represented in this entry. Ref.8 Microphthalmia, isolated, 5 (MCOP5) [MIM:611040]: A disorder characterized by posterior microphthalmia, retinitis pigmentosa, foveoschisis and optic disk drusen. Microphthalmia is a disorder of eye formation, ranging from small size of a single eye to complete bilateral absence of ocular tissues. Ocular abnormalities like opacities of the cornea and lens, scaring of the retina and choroid, and other abnormalities may also be present. Note: The disease is caused by mutations affecting the gene represented in this entry.
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 member of the frizzled-related protein family. The encoded protein plays an important role in eye development and mutations in this gene have been associated with nanophthalmos, posterior microphthalmia, retinitis pigmentosa, foveoschisis, and optic disc drusen. The protein is encoded by a bicistronic transcript which also encodes C1q and tumor necrosis factor related protein 5 (C1QTNF5). [provided by RefSeq, Jun 2013]

Additional Information

Gene ID	83552
Other Names	Membrane frizzled-related protein, Membrane-type frizzled-related protein, MFRP

Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500
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.

Protein Information

Name	MFRP
Function	May play a role in eye development.
Cellular Location	Apical cell membrane; Single-pass type II membrane protein
Tissue Location	Specifically expressed in brain. Strongly expressed in medulla oblongata and to a lower extent in hippocampus and corpus callosum. Expressed in keratinocytes.

Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.