

MRGD Polyclonal Antibody

Catalog Number    **OSR00112W**

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Rat
Host/Isotope	Rabbit / IgG	Published species	Mouse
Class	Polyclonal	Tested Applications	Dilution *
Type	Antibody	Immunohistochemistry (IHC)	1:300-1:2,000
Immunogen	Synthetic peptide from rat Mas-related G-protein coupled receptor member D.	Western Blot (WB)	1:300-1:2,000
Conjugate	Unconjugated	Published Applications	
Form	Lyophilized	Immunohistochemistry (IHC)	See 1 publications below
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	

Product specific information

Glycerol (1:1) may be added for additional stability. Reconstitute in 100 µL of sterile water.

Background/Target Information

May regulate nociceptor function and/or development, including the sensation or modulation of pain. Functions as a specific membrane receptor for beta-alanine. Beta-alanine at micromolar doses specifically evoked Ca(2+) influx in cells expressing the receptor. Beta-alanine decreases forskolin-stimulated cAMP production in cells expressing the receptor, suggesting that the receptor couples with G-protein G(q) and G(i). Localized at the plasma membrane but internalized into the cytoplasm after treatment with beta-alanine.

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PubMed References For MRGD Polyclonal Antibody

1 Immunohistochemistry References

Species / Dilution	Summary
	OSR00112W was used in Immunohistochemistry-immunofluorescence to examine the expression and cellular localization of MrgD in the retina.
Mouse / Not Cited	Molecular neurobiology ( 2020; 57: 513) <b>"Expression and Function of Mas-Related G Protein-Coupled Receptor D and Its Ligand Alamandine in Retina."</b> Author(s):Zhu P,Verma A,Prasad T,Li Q PubMed Article URL: <a href="http://dx.doi.org/10.1007/s12035-019-01716-4">http://dx.doi.org/10.1007/s12035-019-01716-4</a>

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