

MRGD / MRGPRD Antibody (Extracellular Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10736**Specification**

MRGD / MRGPRD Antibody (Extracellular Domain) - Product Information

Application	IHC-P
Primary Accession	Q8TDS7
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36kDa KDa
Dilution	IHC-P~~N/A

MRGD / MRGPRD Antibody (Extracellular Domain) - Additional Information**Gene ID** 116512**Other Names**

Mas-related G-protein coupled receptor member D, Beta-alanine receptor, G-protein coupled receptor TGR7, MRGPRD, MRGD

Target/Specificity

Human MRGPRD. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

MRGD / MRGPRD Antibody (Extracellular Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

MRGD / MRGPRD Antibody (Extracellular Domain) - Protein Information**Name** MRGPRD**Synonyms** MRGD**Function**

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).

Cellular Location

Cell membrane; Multi-pass membrane protein Note=Localized at the plasma membrane but

internalized into the cytoplasm after treatment with beta-alanine

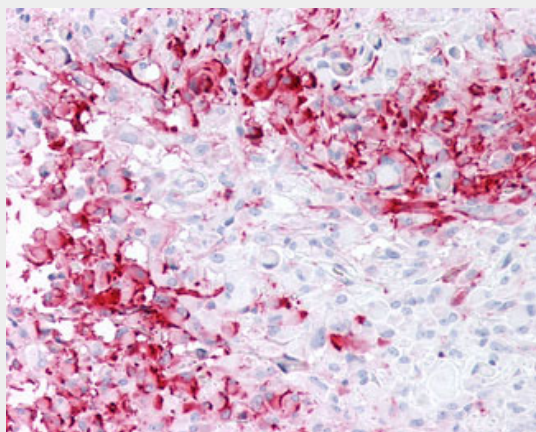
Volume

50 μ l

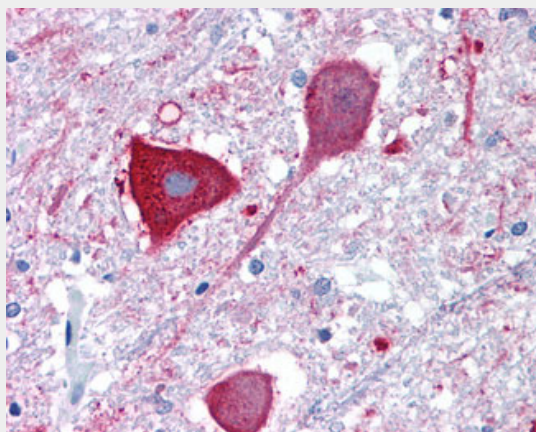
MRGD / MRGPRD Antibody (Extracellular Domain) - Protocols

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

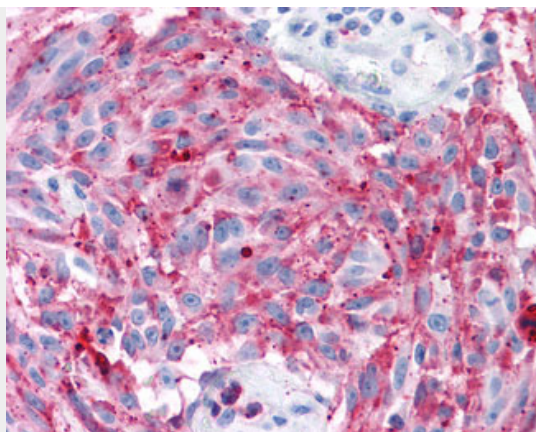
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MRGD / MRGPRD Antibody (Extracellular Domain) - Images

Anti-MRGD / MRGPRD antibody IHC of human Brain, Glioblastoma.



Anti-MRGPRD antibody ALS10736 IHC of human brain, medulla.



Anti-MRGD / MRGPRD antibody IHC of human Skin, Melanoma.

MRGD / MRGPRD Antibody (Extracellular Domain) - Background

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).

MRGD / MRGPRD Antibody (Extracellular Domain) - References

Zylka M.J., et al. Proc. Natl. Acad. Sci. U.S.A. 100:10043-10048(2003).
Shinohara T., et al. J. Biol. Chem. 279:23559-23564(2004).
Takeda S., et al. FEBS Lett. 520:97-101(2002).
Suwa M., et al. Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.