10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

MRGD / MRGPRD Antibody (Cytoplasmic Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10737

Specification

MRGD / MRGPRD Antibody (Cytoplasmic Domain) - Product Information

Application	**IHC**
Primary Accession	Q8TDS7
Reactivity	**Human, Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**36kDa KDa**

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

MRGD / MRGPRD Antibody (Cytoplasmic 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

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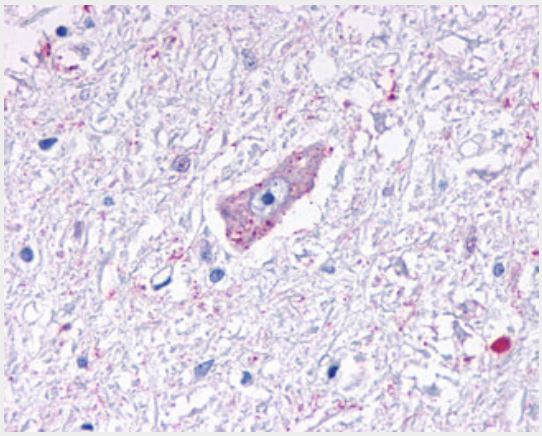
MRGD / MRGPRD Antibody (Cytoplasmic Domain) - Protocols

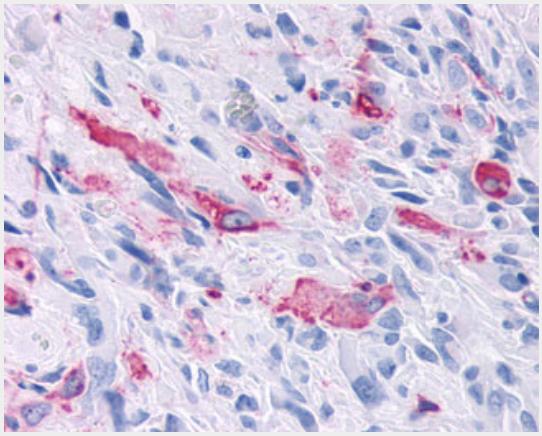
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MRGD / MRGPRD Antibody (Cytoplasmic Domain) - Images



Anti-MRGPRD antibody ALS10737 IHC of human brain, medulla.



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

MRGD / MRGPRD Antibody (Cytoplasmic 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).

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MRGD / MRGPRD Antibody (Cytoplasmic Domain) - References

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