BMA BIOMEDICALS
Rheinstrasse 28-32
CH-4302 Augst (Switzerland)
Phone: +41 61 811 6222
info@bma.ch
www.bma.ch

Monoclonal Antibody To Human MRGPRX2 (GPCRx11)

Mas-related G-protein coupled receptor member X2; Cortistatin Receptor
UniProt: Q96LB1

MRGPRX2 or cortistatin receptor is a 330 amino acid protein that belongs to the G-protein coupled receptor 1 family. Mas-related G-protein-coupled receptors (Mrgprs) represent a large family of orphan receptors specifically expressed in small-diameter nociceptive primary sensory neurons. Physiological functions include mediation of itch or regulation of persistent pathological pain. Cortistatin-14, which is involved in sleep regulation, locomotor activity, and cortical function, seems to be a high potency ligand at this receptor. Also, the multifunctional antibacterial protein LL-37 has been shown to activate cells presumably through MRGPRX2.

Product number: T-1224
Clone: 1D3
Lot: 04PO26022
TECHNICAL AND ANALYTICAL CHARACTERISTICS:

Host species; subclass:	Mouse IgG2b, kappa light chain
Quantity:	100µg
Purification / Physical State:	Protein G purified, lyophilized
Format:	Affinity purified from serum-free cell culture supernatant, lyophilized Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.2mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA) as a stabilizer and 0.1% sodium azide as a preservative.
Storage and stability:	Original vial with lyophilized antibody is stable for 1 year from date of despatch. Aliquots of stock solution can be kept frozen at -20°C for two years from date of reconstitution; do not freeze working dilutions.
Approximate working dilution:	Optimal dilution should be tested by serial dilution.
Immune Histochemistry:	1µg/ml (1:200)
Fixation:	Formalin / Paraffin (pretreatment with proteinase K required, see protocol under www.bma.ch).
Suggested positive control:	Human pancreas.
Immunogen:	DNA vaccine.
Antigen, epitope:	The specificity of the antibody was verified by flow cytometry with cells expressing the recombinant protein. The epitope has not been further characterized. For an illustration of the expression pattern please go to www.bma.ch.

This product contains sodium azide as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.