

Product datasheet for **AM26724PU-N**

GPCR MRGX2 (MRGPRX2) Mouse Monoclonal Antibody [Clone ID: 1D3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1D3
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on paraffin sections: 1 µg/ml (1/200). <i>Positive control: Human pancreas.</i>
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	DNA vaccine
Specificity:	This antibody detects Human MRGPRX2 (GPCRx11).
Formulation:	Phosphate buffered saline pH 7.2 (PBS) State: Purified State: Lyophilized affinity purified Ig fraction Stabilizer: 5 mg/ml bovine serum albumin (BSA) Preservative: 0.09% sodium azide
Reconstitution Method:	Reconstitute by adding 0.5ml distilled water.
Concentration:	0.2 mg/ml (after reconstitution)
Purification:	Protein G Chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 month or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	MAS related GPR family member X2
Database Link:	Entrez Gene 117194 Human Q96LB1



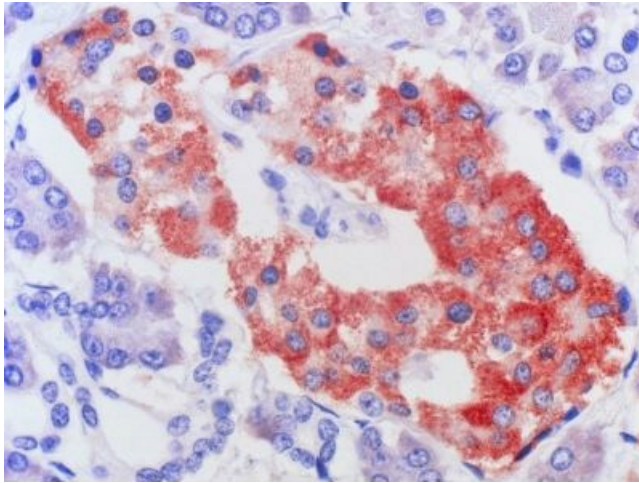
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Background:

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.

Synonyms:

MRGX2

Product images:

Immunohistochemistry on paraffin sections:
Human pancreas stained with AM26724PU-N.