

## Product datasheet for **TA342777**

### GPCR MRGX2 (MRGPRX2) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-MRGPRX2 antibody: synthetic peptide directed towards the middle region of human MRGPRX2. Synthetic peptide located within the following region: VCVLLWALSLLLSILEGKFCGFLFSDGDSGWCQTFDFITAAWLIFLMVL
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	37 kDa
Gene Name:	MAS related GPR family member X2
Database Link:	<a href="#">NP_473371</a> <a href="#">Entrez Gene 117194 Human</a> <a href="#">Q96LB1</a>
Background:	MRGPRX2 is an orphan receptor. It probably involved in the function of nociceptive neurons. It also may regulate nociceptor function and/or development, including the sensation or modulation of pain. Cortistatin-14 seems to be a high potency ligand at this receptor. Cortistatin has several biological functions including roles in sleep regulation locomotor activity, and cortical function. In receptor-expressing cells, cortistatin-stimulated increases in intracellular Ca <sup>2+</sup> but had no effect on basal or forskolin-stimulated cAMP levels, suggesting that this receptor is G(q)-coupled.



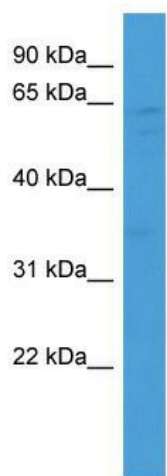
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**Synonyms:** MGRG3; MRGX2

**Note:** Immunogen Sequence Homology: Human: 100%

**Protein Families:** Druggable Genome, GPCR, Transmembrane

**Product images:**



WB Suggested Anti-MRGPRX2 Antibody Titration:  
0.2-1 ug/ml; ELISA Titer: 1:12500; Positive Control:  
Hela cell lysate