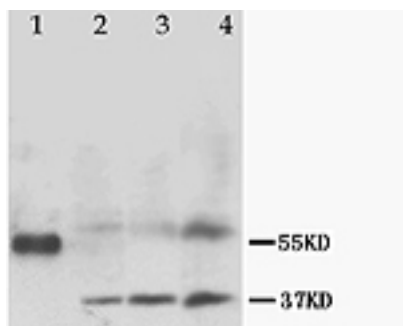


Rabbit polyclonal antibody to Mas-related G-protein coupled receptor member X1 (14-28): Affinity purified

Catalogue No.:	R-1126-100
Description:	Mas-related G-protein coupled receptor member X1 (MRGPRX1) is an opioid receptor that is uniquely localized in a subset of small dorsal root and trigeminal sensory neurons. MRGPRX1 is thought to be involved in the regulation of sensory neurons.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	A synthetic peptide (TLNKTGHPSCRPILT) corresponding to a region (14-28) from rat Mas-related G-protein coupled receptor member X1. To enhance the immunological response, this peptide was coupled to carrier protein BSA.
Other Names:	Sensory neuron-specific G-protein coupled receptor 1; Mrgprx1; Mrgc; Mrgprc; Mrgprc11; Snsr; Snsr1;
Accession:	Q8R4G1 MRGX1_RAT;
Produced in:	Rabbit
Purity:	Affinity purified on antigen column
Applications:	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 0.1-0.5 ug/mL is recommended for WB. Rat MRGPRX1 has a predicted length of 323 residues and MW of 37 kDa. A concentration of 0.5-1.0 ug/mL is recommended to detect the protein in formalin fixed and paraffin embedded tissues. Heat mediated antigen retrieval is required. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
Cross-reactivity:	Rat;
Form:	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃
Reconstitution:	Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles
Expiry Date:	12 months after purchase



Western blot analysis of rabbit polyclonal antibody to Mas-related G-protein coupled receptor member X1 (0.75µg/ml):

Lane 1: Lane marker
Lane 2: Rat heart tissue lysate
Lane 3: Rat skeletal muscle tissue lysate
Lane 4: MCG7 whole cell lysate

Secondary HRP conjugated goat anti-rabbit IgG antibody (working dilution: 1:3000-10000).

FOR RESEARCH USE ONLY



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