



# MRGX3 Polyclonal Antibody

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-Ab-13426                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Reactivity</b>                  | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Applications</b>                | WB;ELISA;IHC                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Gene Name</b>                   | MRGPRX3                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Immunogen</b>                   | The antiserum was produced against synthesized peptide derived from human MRGX3. AA range:99-148                                                                                                                                                                                                                                                                                                                   |
| <b>Specificity</b>                 | MRGX3 Polyclonal Antibody detects endogenous levels of MRGX3 protein.                                                                                                                                                                                                                                                                                                                                              |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>                      | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purification</b>                | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                              |
| <b>Dilution</b>                    | WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Synonyms</b>                    | MAS related GPR;member X3;MRGPRX3;MRGX3;SNSR1;SNSR2;Mas-related G-protein coupled receptor member X3;Sensory neuron-specific G-protein coupled receptor 1/2                                                                                                                                                                                                                                                        |
| <b>Observed Band</b>               | 34kD                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Calculated Molecular Weight</b> | 34kD                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cell Pathway</b>                | Cell membrane; Multi-pass membrane protein.                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Tissue Specificity</b>          | Uniquely localized in a subset of small dorsal root and trigeminal sensory neurons.                                                                                                                                                                                                                                                                                                                                |
| <b>Function</b>                    | function:Orphan receptor. Probably involved in the function of nociceptive neurons. May regulate nociceptor function and/or development, including the sensation or modulation of pain. Potently activated by enkephalins., similarity:Belongs to the G-protein coupled receptor 1 family. Mas subfamily., tissue specificity:Uniquely localized in a subset of small dorsal root and trigeminal sensory neurons., |

**Background**

This gene encodes a member of the mas-related/sensory neuron specific subfamily of G protein coupled receptors. The encoded protein may be involved in sensory neuron regulation and in the modulation of pain. [provided by RefSeq, Oct 2009],

**matters needing attention**

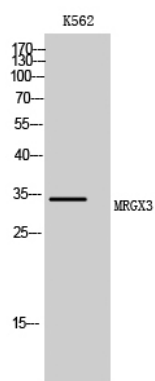
Avoid repeated freezing and thawing!

**Usage suggestions**

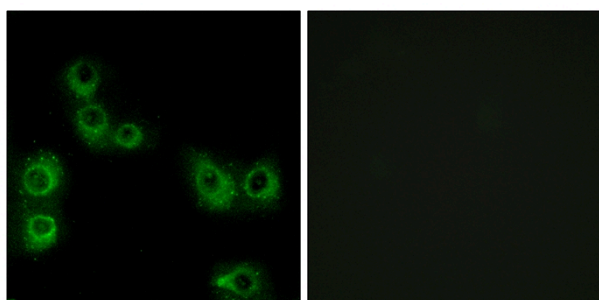
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



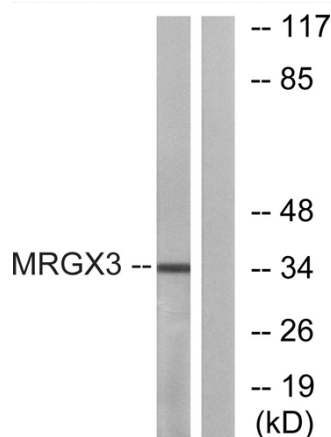
## Products Images



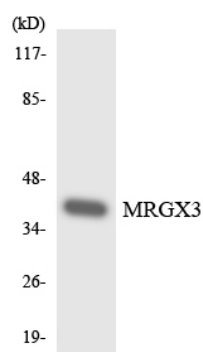
Western Blot analysis of K562 cells using MRGX3 Polyclonal Antibody



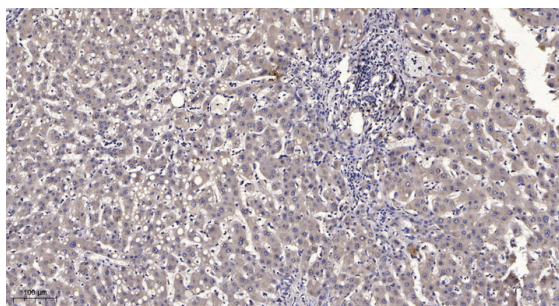
Immunofluorescence analysis of MCF7 cells, using MRGX3 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from K562 cells, using MRGX3 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from 293 cells using MRGX3 antibody.



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA, pH9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 45min).