



# GPR133 Monoclonal Antibody

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|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-mAb-13297                                                                                                                                                                                                                                                                                                                                                  |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                           |
| <b>Reactivity</b>                  | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                               |
| <b>Applications</b>                | WB                                                                                                                                                                                                                                                                                                                                                            |
| <b>Gene Name</b>                   | GPR133                                                                                                                                                                                                                                                                                                                                                        |
| <b>Immunogen</b>                   | The antiserum was produced against synthesized peptide derived from human GPR133. AA range:461-510                                                                                                                                                                                                                                                            |
| <b>Specificity</b>                 | GPR133 Monoclonal Antibody detects endogenous levels of GPR133 protein.                                                                                                                                                                                                                                                                                       |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                       |
| <b>Source</b>                      | Monoclonal, Mouse,IgG                                                                                                                                                                                                                                                                                                                                         |
| <b>Purification</b>                | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                          |
| <b>Dilution</b>                    | WB 1:500-1:2000                                                                                                                                                                                                                                                                                                                                               |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                  |
| <b>Synonyms</b>                    | GPR133;Probable G-protein coupled receptor 133;PGR25;G-protein coupled receptor PGR25                                                                                                                                                                                                                                                                         |
| <b>Observed Band</b>               | 96kD                                                                                                                                                                                                                                                                                                                                                          |
| <b>Calculated Molecular Weight</b> | 96kD                                                                                                                                                                                                                                                                                                                                                          |
| <b>Cell Pathway</b>                | Cell membrane ; Multi-pass membrane protein .                                                                                                                                                                                                                                                                                                                 |
| <b>Tissue Specificity</b>          | Up-regulated in CD133(+) cell population of glioblastoma.                                                                                                                                                                                                                                                                                                     |
| <b>Function</b>                    | function:Orphan receptor.,similarity:Belongs to the G-protein coupled receptor 2 family. LN-TM7 subfamily.,similarity:Contains 1 GPS domain.,                                                                                                                                                                                                                 |
| <b>Background</b>                  | The adhesion G-protein-coupled receptors (GPCRs), including GPR133, are membrane-bound proteins with long N termini containing multiple domains. GPCRs, or GPRs, contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins (summary by Bjarnadottir et al., 2004 [PubMed 15203201]).[supplied by OMIM, Nov 2010], |
| <b>matters needing attention</b>   | 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

