

# Anti-GPR38 Antibody

Catalog # AP51960

## Product Information

---

|                          |                        |
|--------------------------|------------------------|
| <b>Application</b>       | WB, IF/IC              |
| <b>Primary Accession</b> | <a href="#">O43193</a> |
| <b>Reactivity</b>        | Human, Mouse           |
| <b>Host</b>              | Rabbit                 |
| <b>Clonality</b>         | Polyclonal             |
| <b>Calculated MW</b>     | 45344                  |

## Additional Information

---

|                           |                                                                                                                                      |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>            | 2862                                                                                                                                 |
| <b>Other Names</b>        | GPR38; MTLR; MTLR1; Motilin receptor; G-protein coupled receptor 38                                                                  |
| <b>Target/Specificity</b> | KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human GPR38. The exact sequence is proprietary. |
| <b>Dilution</b>           | WB~~WB (1/500 - 1/1000) IF/IC~~N/A                                                                                                   |
| <b>Format</b>             | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                            |
| <b>Storage</b>            | Store at -20 °C.Stable for 12 months from date of receipt                                                                            |

## Protein Information

---

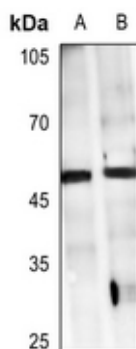
|                          |                                                     |
|--------------------------|-----------------------------------------------------|
| <b>Name</b>              | MLNR                                                |
| <b>Synonyms</b>          | GPR38, MTLR, MTLR1                                  |
| <b>Function</b>          | Receptor for motilin.                               |
| <b>Cellular Location</b> | Cell membrane; Multi-pass membrane protein.         |
| <b>Tissue Location</b>   | Expressed only in thyroid, stomach, and bone marrow |

## References

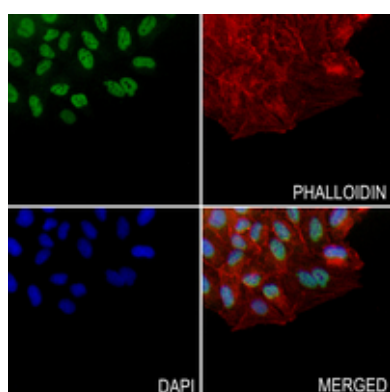
---

McKee K.K.,et al.Genomics 46:426-434(1997).  
Feighner S.D.,et al.Science 284:2184-2188(1999).  
King M.M.,et al.Submitted (APR-2004) to the EMBL/GenBank/DDBJ databases.  
Dunham A.,et al.Nature 428:522-528(2004).

## Images



Western blot analysis of GPR38 expression in HCT116 (A), HuT78 (B) whole cell lysates. (Predicted band size: 45 kD; Observed band size: 50 kD)



Immunofluorescent analysis of GPR38 staining in H460 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.