For research purposes only, not for human use

# Product Data Sheet

# Anti-GPR105 Antibody

| Catalog # | Source | Reactivity | Applications |
|---|---|---|---|
| CPA2438 | Rabbit | H, M, R | WB, IH, IP |

| | |
|---|---|
| **Description** | Rabbit polyclonal antibody to GPR105 |
| **Immunogen** | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GPR105. The exact sequence is proprietary. |
| **Purification** | The antibody was purified by immunogen affinity chromatography. |
| **Specificity** | Recognizes endogenous levels of GPR105 protein. |
| **Clonality** | Polyclonal |
| **Form** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Dilution** | WB (1/500 - 1/1000), IH (1/100 - 1/200), IP (1/10 - 1/100) |
| **Gene Symbol** | P2RY14 |
| **Alternative Names** | GPR105; KIAA0001; P2Y purinoceptor 14; P2Y14; G-protein coupled receptor 105; UDP-glucose receptor |
| **Entrez Gene** | 9934 (Human); 140795 (Mouse); 171108 (Rat) |
| **SwissProt** | Q15391 (Human); Q9ESG6 (Mouse); O35881 (Rat) |
| **Storage/Stability** | Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles. |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish


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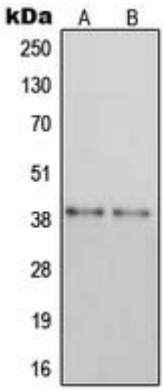
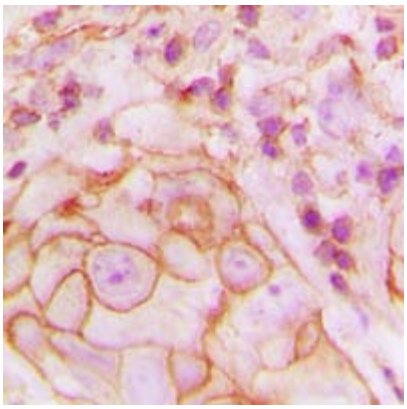



Western blot analysis of GPR105 expression in MDAMB435 (A), HEK293 (B) whole cell lysates.



Immunohistochemical analysis of GPR105 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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