

## Product datasheet for **TA328671**

### GPR105 (P2RY14) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:200-1:2000; IHC: 1:100-1:3,000; FC: 1:50-1:600
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide CIELKSELGRKWHKASN, corresponding to amino acid residues 172-188 of human P2Y14. 2nd extracellular loop.
Formulation:	Lyophilized. Concentration before lyophilization ~0.8mg/ml (lot dependent, please refer to CoA along with shipment for actual concentration). Buffer before lyophilization: Phosphate buffered saline (PBS), pH 7.4, 1% BSA, 0.05% NaN <sub>3</sub> .
Reconstitution Method:	Add 50 ul double distilled water (DDW) to the lyophilized powder.
Purification:	Affinity purified on immobilized antigen.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	purinergic receptor P2Y14
Database Link:	<a href="#">NP_055694</a> <a href="#">Entrez Gene 171108 Rat</a> <a href="#">Entrez Gene 9934 Human</a> <a href="#">Q15391</a>



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**Background:**

P2Y14 belongs to the P2Y receptor family that is part of the G-protein coupled receptor superfamily. To date eight functional mammalian P2Y receptors have been identified: P2Y1, P2Y2, P2Y4, P2Y6, P2Y11, P2Y12, P2Y13 and P2Y14. The P2Y receptor family mediates the effects of extracellular nucleotides such as ATP, ADP, UTP and in the case of P2Y14 UDP-glucose. UDP-glucose as the other nucleotides can be released to the extracellular milieu as the result of cell damage or by regulated non-lytic mechanisms. P2Y14 is expressed in several tissues including brain, lung and several cells of hematopoietic origin such as T lymphocytes and dendritic cells. The exact function of this receptor in the different tissues has not been clearly established but an involvement in chemotaxis, maturation of immature dendritic cells and neuroimmune regulation has been suggested.

**Synonyms:**

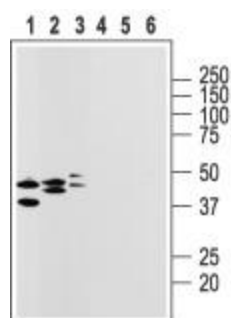
BPR105; GPR105; P2Y14

**Protein Families:**

Druggable Genome, GPCR, Transmembrane

**Protein Pathways:**

Neuroactive ligand-receptor interaction

**Product images:**


Western blot analysis of rat heart membranes (lanes 1, 4), rat brain (lanes 2, 5) and rat lung lysates (lanes 3, 6): 1-3. Anti-P2Y14 Receptor (extracellular) antibody, (1:200). 4-6. Anti-P2Y14 Receptor (extracellular) antibody, preincubated with the control peptide antigen.