

P2RY8 / P2Y8 Antibody (Cytoplasmic Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10466**Specification****P2RY8 / P2Y8 Antibody (Cytoplasmic Domain) - Product Information**

Application	IHC-P
Primary Accession	Q86VZ1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41kDa KDa
Dilution	IHC-P~~N/A

P2RY8 / P2Y8 Antibody (Cytoplasmic Domain) - Additional Information**Gene ID** 286530**Other Names**

P2Y purinoceptor 8, P2Y8, P2RY8

Target/Specificity

Human P2RY8 / P2Y8. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except GPR174 (41%).

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

P2RY8 / P2Y8 Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

P2RY8 / P2Y8 Antibody (Cytoplasmic Domain) - Protein Information**Name** P2RY8 {ECO:0000303|PubMed:30842656, ECO:0000312|HGNC:HGNC:15524}**Function**

G protein-coupled receptor for S-geranylgeranyl-glutathione (GGG), an endogenous metabolite present in lymphoid tissues. Couples the binding of GGG to the activation of GNA13 and downstream repression of AKT activation in lymphocytes defining their positioning and growth within lymphoid organs (PubMed:25274307, PubMed:30842656, PubMed:34088745). In lymphoid follicles, confines B cells and follicular helper T cells in germinal centers (GCs) in response to GGG local gradients established by GGT5 (via GGG catabolism) and ABCC1 (via extracellular transport) with lower concentrations of GGG found in the follicular dendritic cell network region around which germinal centers are formed (PubMed:25274307, PubMed:30842656, PubMed:34088745).

href="http://www.uniprot.org/citations/30842656" target="_blank">30842656, PubMed:34088745). In the bone marrow, also in response to GGG gradients established by GGT5 and ABCC1, it restricts chemotactic transmigration of B cells, T cells and NK cells from blood vessels to the bone marrow parenchyma (PubMed:30842656, PubMed:34088745). Contributes to GNA13-dependent pathway that suppresses GC B cell growth (PubMed:25274307).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Barely detectable in normal blood leukocytes. Weaker expression was seen in heart, kidney and lung. Not detected in brain (PubMed:11004484, PubMed:15466006). Expressed in B cells and follicular helper T cells in germinal centers (at protein level) (PubMed:30842656).

Volume

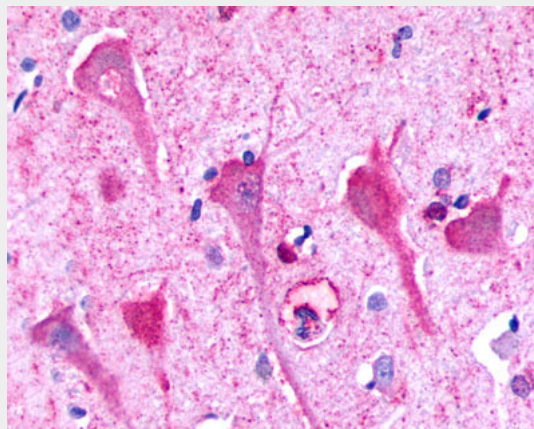
50 µl

P2RY8 / P2Y8 Antibody (Cytoplasmic Domain) - Protocols

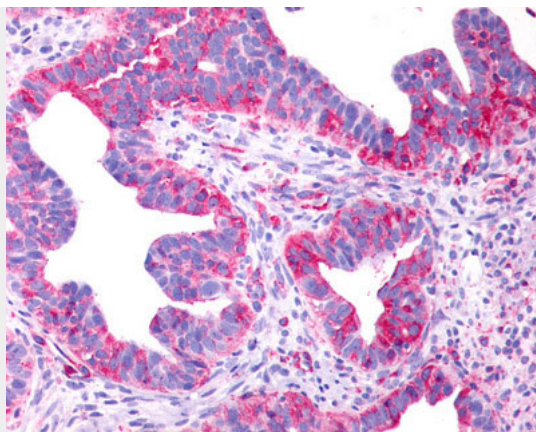
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

P2RY8 / P2Y8 Antibody (Cytoplasmic Domain) - Images



Anti-P2RY8 / P2Y8 antibody ALS10466 IHC of human brain, neurons and glia.



Anti-P2RY8 / P2Y8 antibody IHC of human Ovary, Carcinoma.

P2RY8 / P2Y8 Antibody (Cytoplasmic Domain) - Background

Probable receptor for purines coupled to G-proteins.

P2RY8 / P2Y8 Antibody (Cytoplasmic Domain) - References

- Ross M.T.,et al.Nature 434:325-337(2005).
Adrian K.,et al.Biochim. Biophys. Acta 1492:127-138(2000).
Cantagrel V.,et al.J. Med. Genet. 41:736-742(2004).
Wollscheid B.,et al.Nat. Biotechnol. 27:378-386(2009).