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Anti-P2RY8 / P2Y8 Antibody (Cytoplasmic Domain)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17507

Product Information

Application	IHC-P
Primary Accession	Q86VZ1
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40635
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	286530
Alias Symbol	P2RY8
Other Names	P2RY8, p2RY8, p2Y purinoceptor 8, p2Y8
Target/Specificity	Human P2RY8 / P2Y8. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-P2RY8 / P2Y8 Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

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). 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).

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