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P2RY8 Polyclonal Antibody
Catalog # AP71687

Specification

P2RY8 Polyclonal Antibody - Product Information

Application	**WB, IF**
Primary Accession	Q86VZ1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**

P2RY8 Polyclonal Antibody - Additional Information

Gene ID 286530

Other Names
P2RY8; P2Y purinoceptor 8; P2Y8

Dilution
WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
IF~~1:50~200

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

P2RY8 Polyclonal Antibody - 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

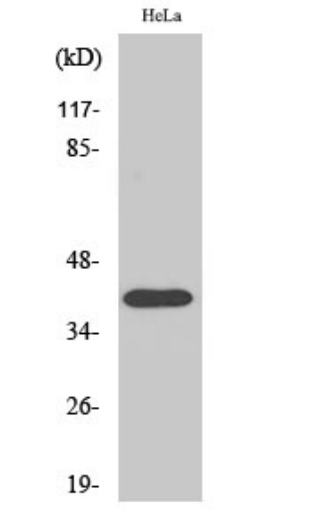
Tissue Location
Barely detectable in normal blood leukocytes. Weaker expression was seen in heart, kidney and lung. Not detected in brain (PubMed:11004484, PubMed:15466006). Expressed in B cells and follicular helper T cells in germinal centers (at protein level) (PubMed:30842656).

P2RY8 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

P2RY8 Polyclonal Antibody - Images



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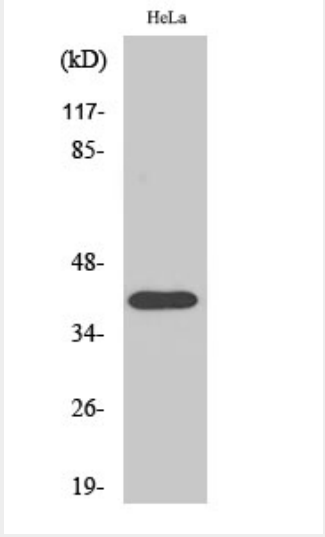

P2RY8 Polyclonal Antibody - Background

Probable receptor for purines coupled to G-proteins.