

GPR34 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51242

Specification

GPR34 Antibody - Product Information

Application	WB, IP, IHC-P, E
Primary Accession	O9UPC5
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44 KDa

GPR34 Antibody - Additional Information

Gene ID 2857

Other Names

Probable G-protein coupled receptor 34, GPR34

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

GPR34 Antibody - Protein Information

Name GPR34

Function

G-protein-coupled receptor of lysophosphatidylserine (LysoPS) that plays different roles in immune response (PubMed: <http://www.uniprot.org/citations/16460680> target="_blank">16460680). Acts a damage-sensing receptor that triggers tissue repair upon recognition of dying neutrophils (By similarity). Mechanistically, apoptotic neutrophils release lysophosphatidylserine that are recognized by type 3 innate lymphoid cells (ILC3s) via GPR34, which activates downstream PI3K-AKT and RAS-ERK signaling pathways leading to STAT3 activation and IL-22 production (By similarity). Plays an important role in microglial function, controlling morphology and phagocytosis (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Broadly expressed. Highly expressed on mast cells (PubMed:16460680).

GPR34 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 Cytometry](#)
- [Cell Culture](#)

GPR34 Antibody - Images

GPR34 Antibody - Background

Orphan receptor.

GPR34 Antibody - References

Schoneberg T., et al. *Biochim. Biophys. Acta* 1446:57-70(1999).
Marchese A., et al. *Genomics* 56:12-21(1999).
Jacobi F.K., et al. *Hum. Genet.* 107:89-91(2000).
Ota T., et al. *Nat. Genet.* 36:40-45(2004).