10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

Specification

GPR34 Antibody - Product Information

Application	**WB, IP, IHC-P, E**
Primary Accession	Q9UPC5
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:16460680). Acts a damage-sensing receptor that triggers tissue repair upon recognition of dying neutrophils (By similarity). Mechanistically, apoptotic neutrophils release lysophosphatydilserine 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).

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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 Cytomety
- 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).