

GPR34 Antibody (aa181-230)
Rabbit Polyclonal Antibody
Catalog # ALS14915**Specification**

GPR34 Antibody (aa181-230) - Product Information

Application	IF, WB
Primary Accession	O9UPC5
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44kDa KDa

GPR34 Antibody (aa181-230) - Additional Information**Gene ID** 2857**Other Names**

Probable G-protein coupled receptor 34, GPR34

Target/Specificity

GPR34 Antibody detects endogenous levels of total GPR34 protein.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

GPR34 Antibody (aa181-230) is for research use only and not for use in diagnostic or therapeutic procedures.

GPR34 Antibody (aa181-230) - 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).

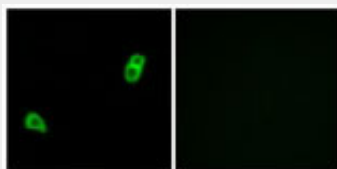
Volume

50 μ l

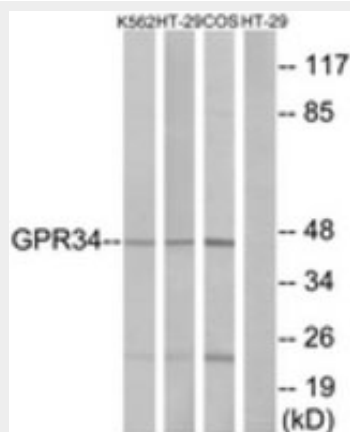
GPR34 Antibody (aa181-230) - Protocols

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 (aa181-230) - Images

Immunofluorescence of LOVO cells, using GPR34 Antibody.



Western blot of extracts from HT-29/K562/COS7 cells, using GPR34 Antibody.

GPR34 Antibody (aa181-230) - Background

Orphan receptor.

GPR34 Antibody (aa181-230) - 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).