

**GPR34 Antibody (C-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS10317****Specification**

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**GPR34 Antibody (C-Terminus) - Product Information**

Application	IHC
Primary Accession	<a href="#">O9UPC5</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44kDa KDa

**GPR34 Antibody (C-Terminus) - Additional Information****Gene ID** 2857**Other Names**

Probable G-protein coupled receptor 34, GPR34

**Target/Specificity**

Human GPR34. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except GPR82 (100%).

**Reconstitution & Storage**

Long term: -70°C; Short term: +4°C

**Precautions**

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

**GPR34 Antibody (C-Terminus) - 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</a>). 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

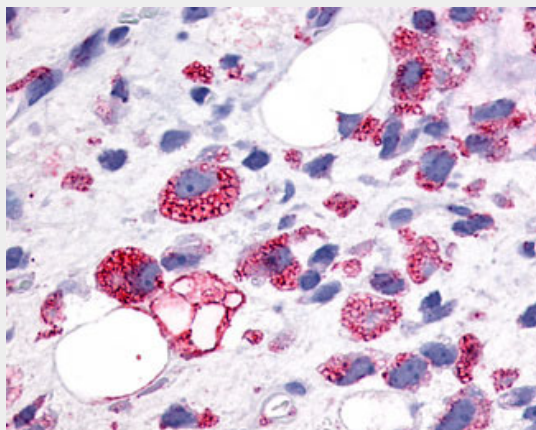
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### GPR34 Antibody (C-Terminus) - Protocols

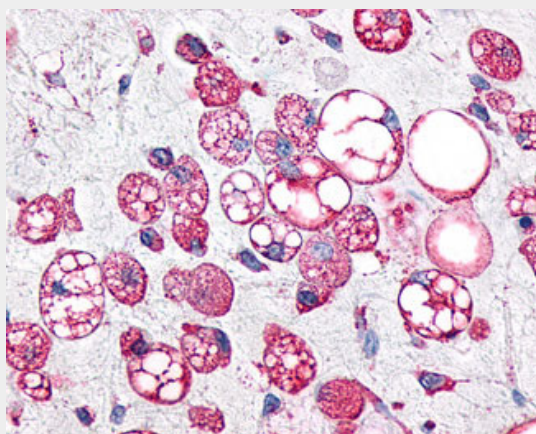
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

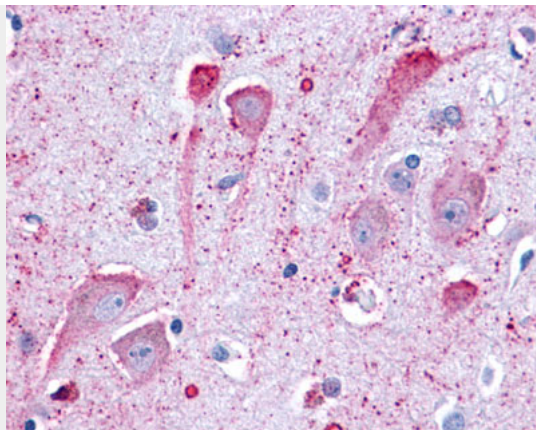
### GPR34 Antibody (C-Terminus) - Images



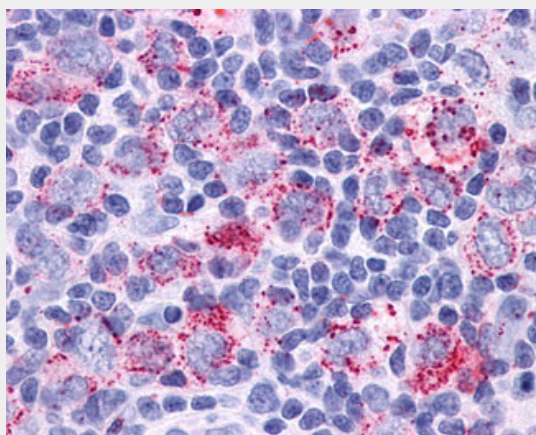
Anti-GPR34 antibody IHC of human Soft Tissue, Liposarcoma.



Anti-GPR34 antibody IHC of human Soft Tissue, Liposarcoma.



Anti-GPR34 antibody ALS10317 IHC of human brain, neurons and glia.



Anti-GPR34 antibody IHC of human Lymph Node, Hodgkins Lymphoma.

### **GPR34 Antibody (C-Terminus) - Background**

Orphan receptor.

### **GPR34 Antibody (C-Terminus) - 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).