

GPR77 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20046b**Specification**

GPR77 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q9P296
Other Accession	NP_060955.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	36080
Antigen Region	297-325

GPR77 Antibody (C-term) - Additional Information**Gene ID** 27202**Other Names**

C5a anaphylatoxin chemotactic receptor 2, Complement component 5a receptor 2, G-protein coupled receptor 77, C5AR2, C5L2, GPR77

Target/Specificity

This GPR77 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 297-325 amino acids from the C-terminal region of human GPR77.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GPR77 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GPR77 Antibody (C-term) - Protein Information**Name** C5AR2

Synonyms C5L2, GPR77

Function Receptor for the chemotactic and inflammatory C3a, C4a and C5a anaphylatoxin peptides and also for their dearginated forms ASP/C3adesArg, C4adesArg and C5adesArg respectively. Couples weakly to G(i)-mediated signaling pathways.

Cellular Location

Cell membrane; Multi-pass membrane protein

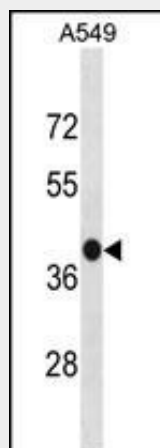
Tissue Location

Frontal cortex, hippocampus, hypothalamus, pons and liver.

GPR77 Antibody (C-term) - 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](#)

GPR77 Antibody (C-term) - Images

GPR77 Antibody (C-term) (Cat. #AP20046b) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the GPR77 antibody detected the GPR77 protein (arrow).

GPR77 Antibody (C-term) - Background

The anaphylatoxins C3a (see MIM 120700), C4a (see MIM 120810), and C5a are cationic fragments generated during the complement cascade that participate in host defense. In the case of inappropriate complement activation, anaphylatoxins may be involved in autoimmunity and sepsis. C5L2 is coexpressed with the C5a receptor, C5AR (C5R1; MIM 113995), on polymorphonuclear neutrophils and may modulate C5AR activity (Gerard et al., 2005 [PubMed 16204243]).

GPR77 Antibody (C-term) - References

Bamberg, C.E., et al. J. Biol. Chem. 285(10):7633-7644(2010)
Cui, W., et al. Mol. Immunol. 46(16):3207-3217(2009)
Cui, W., et al. Mol. Immunol. 46(15):3086-3098(2009)
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