

**DATASHEET**

**GPR77 Rabbit Polyclonal Antibody**

CAT. NO. APA15194

**KEY FEATURES**

Target	GPR77	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

**BACKGROUND**

Receptor for the chemotactic and inflammatory peptide anaphylatoxin C5a, stimulating chemotaxis, granule enzyme release, intracellular calcium release and superoxide anion production . Also acts as a receptor for dearginated forms of C3a, C4a and C5a anaphylatoxin peptides (ASP/C3adesArg, C4adesArg and C5adesArg, respectively) . Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors, such as adenylate cyclase . C5AR1 is coupled to G(i)/G(o) (GNAI1 or GNAO1) G alpha proteins and mediates inhibition of adenylate cyclase .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

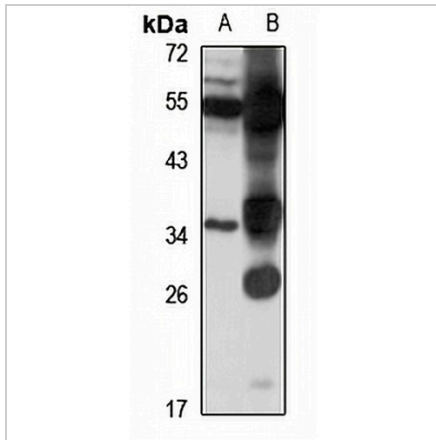
Description	Rabbit polyclonal antibody to GPR77
Specificity	Recognizes endogenous levels of GPR77 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human GPR77. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 36 kD; Observed: 36 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	C5L2; GPR77; C5a anaphylatoxin chemotactic receptor 2; Complement component 5a receptor 2; G-protein coupled receptor 77
Gene Symbol	C5AR2
Entrez Gene	27202(Human); 319430(Mouse); 445269(Rat)
SwissProt	Q9P296(Human); Q8BW93(Mouse); Q695P6(Rat)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of GPR77 expression in HEK293T (A), mouse liver (B) whole cell lysates. (Predicted band size: 36 kD; Observed band size: 36 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.