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Anti-GPR77 Antibody

Catalog # AP95711

Product Information

Application	WB, IHC, FC
Primary Accession	Q9P296
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	36080

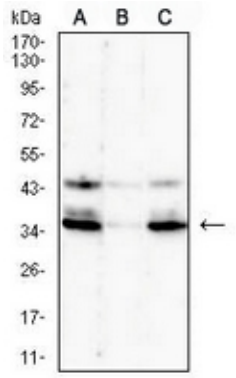
Additional Information

Gene ID	27202
Other Names	C5L2; GPR77; C5a anaphylatoxin chemotactIC, receptor 2; Complement component 5a receptor 2; G-protein coupled receptor 77
Target/Specificity	Recombinant fusion protein of human GPR77 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200)
Format	Mouse IgG2b. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

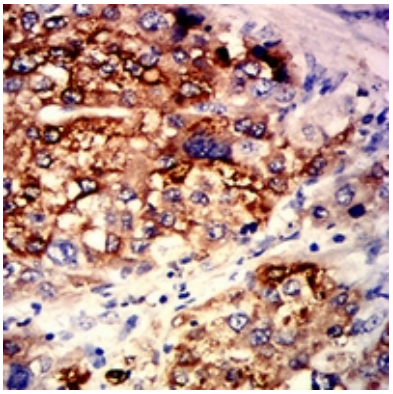
Protein Information

Name	C5AR2
Synonyms	C5L2 {ECO:0000303|PubMed:11090875}, GPR7
Function	Receptor for the chemotactic and inflammatory peptide anaphylatoxin C5a, stimulating chemotaxis, granule enzyme release, intracellular calcium release and superoxide anion production (PubMed:11773063). Also acts as a receptor for dearginated forms of C3a, C4a and C5a anaphylatoxin peptides (ASP/C3adesArg, C4adesArg and C5adesArg, respectively) (PubMed:12540846, PubMed:15833747, PubMed:19615750). 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 (PubMed:12540846). C5AR1 is coupled to G(i)/G(o) (GNAI1 or GNAO1) G alpha proteins and mediates inhibition of adenylate cyclase (PubMed:12540846).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Frontal cortex, hippocampus, hypothalamus, pons and liver.

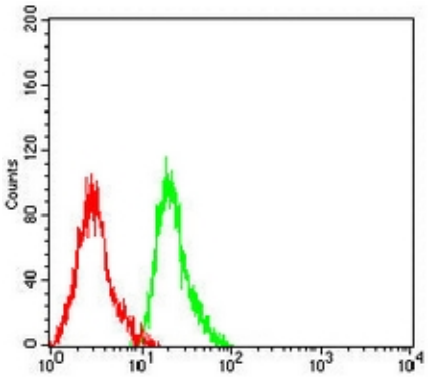
Images



Western blot analysis of GPR77 expression in K562 (A), THP1 (B), MOLT4 (C) whole cell lysates. (Predicted band size: 36 kD; Observed band size: 36 kD)



Immunohistochemical analysis of GPR77 staining in human liver cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Flow cytometric analysis of MOLT4 cells using Anti-GPR77 Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.