

Rabbit anti-Human GPR77 Polyclonal Antibody | anti-GPR77 antibody

GPR77 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323578	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

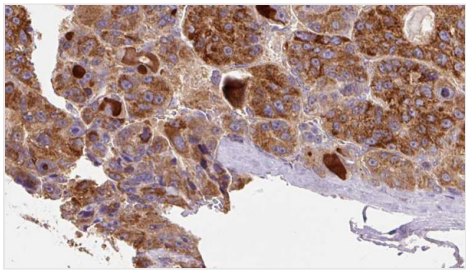
PRODUCT SYNONYMS

GPR77; Polyclonal Antibody; GPR77 Antibody; C5a anaphylatoxin chemotactic receptor C5L2; C5ARL_HUMAN; C5L2; E030029A11Rik; G protein coupled receptor 77; G protein coupled receptor C5L2; G-protein coupled receptor 77; GPF77; anti-GPR77 antibody

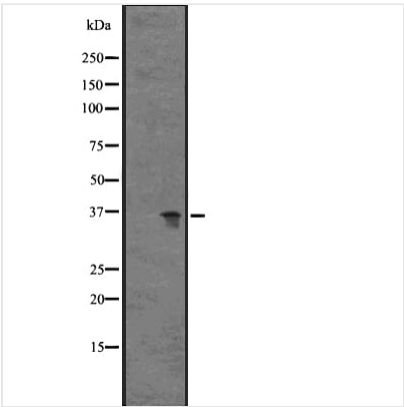
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	GPR77 antibody detects endogenous levels of total GPR77
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	337
Applicable Applications for anti-GPR77 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane
Tissue Specificity	Frontal cortex, hippocampus, hypothalamus, pons and liver.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Dog
Similarity	Pig (92%), Bovine (83%), Sheep (83%), Dog (83%)
Conjugation	Unconjugated

IMAGES



IHC (Immunohistochemistry)
AAA323578 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of GPR77 expression in HeLa cell lysate, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-GPR77 antibody	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. Subunit Structure: Interacts with C3 (the anaphylatoxin peptide C3a and the adipogenic hormone ASP); the interaction occurs with higher affinity for ASP, enhancing the phosphorylation and activation of GPR77, recruitment of ARRB2 to the cell surface and endocytosis of GRP77. Similarity: Belongs to the G-protein coupled receptor 1 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	415712893
NCBI GeneID	27202
NCBI Accession #	NP_001258678.1
NCBI GenBank Nucleotide #	NM_001271749.1
UniProt Accession #	Q9P296; B2RA09
Molecular Weight	Observed: 36 kDa Predicted: 37 kDa
NCBI Official Full Name	C5a anaphylatoxin chemotactic receptor 2
NCBI Official Synonym Full Names	complement component 5a receptor 2
NCBI Official Symbol	C5AR2
NCBI Official Synonym Symbols	C5L2; GPF77; GPR77
NCBI Protein Information	C5a anaphylatoxin chemotactic receptor 2
UniProt Protein Name	C5a anaphylatoxin chemotactic receptor 2
UniProt Gene Name	C5AR2
UniProt Synonym Gene Names	C5L2; GPR77

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.