

Rabbit anti-Human GPR116 Polyclonal Antibody | anti-GPR116 antibody

GPR116 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325560	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

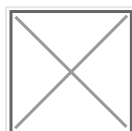
PRODUCT SYNONYMS

GPR116; Polyclonal Antibody; GPR116 Antibody; DKFZp564O1923; FLJ90640; G protein coupled receptor 116; GP116_HUMAN; Ig Hepta homolog; KIAA0758; KPG_001; OTTHUMP00000016557; Probable G protein coupled receptor 116; Probable G-protein coupled receptor 116; anti-GPR116 antibody

PRODUCT SPECIFICATIONS

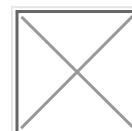
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	GPR116 antibody detects endogenous levels of total GPR116
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1346
Applicable Applications for anti-GPR116 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane
Predicted Cross Reactivity	Pig, Bovine, Sheep, Dog
Similarity	Pig (92%), Bovine (85%), Sheep (85%), Dog (85%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from A549 cells, using GPR116 antibody.



IF (Immunofluorescence)

AAA325560 staining A549 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GPR116 antibody	Function: Receptor that plays a critical role in lung surfactant homeostasis. May play a role in controlling adipocyte function. Subunit Structure: Homodimer; disulfide-linked. Heterodimer of 2 chains generated by proteolytic processing; the large extracellular N-terminal fragment and the membrane-bound C-terminal fragment predominantly remain associated and non-covalently linked. Fragment generated by the processing enzyme furin remains attached to the extracellular N-terminal fragment. Interacts (via N-terminal extracellular domain) with SFTPD. Post-translational Modifications: Proteolytically cleaved at multiple sites: one in the GPS domain (S1 site) and the other in the SEA domain (S2 site). The proteolytic cleavage at S1 site generates an extracellular subunit and a seven-transmembrane subunit. The proteolytic cleavage at S2 site generates a fragment that undergoes proteolytic cleavage by the processing enzyme furin. Highly glycosylated. Similarity: Belongs to the G-protein coupled receptor 2 family. Adhesion G-protein coupled receptor (ADGR) subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	148719671
NCBI GeneID	221395
NCBI Accession #	NP_001091988.1
NCBI GenBank Nucleotide #	NM_001098518.1
UniProt Accession #	Q8IZF2; O94858; Q5TF06; Q6RGN2; Q86SP0; Q9Y3Z2
Molecular Weight	Observed: 150 kD Predicted: 150 kDa
NCBI Official Full Name	adhesion G protein-coupled receptor F5
NCBI Official Synonym Full Names	adhesion G protein-coupled receptor F5
NCBI Official Symbol	ADGRF5
NCBI Official Synonym Symbols	GPR116; KPG_001
NCBI Protein Information	adhesion G protein-coupled receptor F5
UniProt Protein Name	Adhesion G protein-coupled receptor F5
UniProt Gene Name	ADGRF5

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gpr116-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325560>