

## Rabbit anti-Human GPR107 Polyclonal Antibody | anti-GPR107 antibody

GPR107 Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                 |
|-----------|--------|------------|--------------------------------------------------------------|
| AAA325555 | Rabbit | Human      | ELISA, Immunocytochemistry, Immunofluorescence, Western Blot |

### PRODUCT SYNONYMS

GPR107; Polyclonal Antibody; GPR107 Antibody; bA138E2.2; DKFZp667C222; FLJ16312; FLJ20998; FLJ22591; G protein coupled receptor 107; GCDRP; GPR 107; KIAA1624; Lung seven transmembrane receptor 1; LUSTR1; MGC126118; MGC15440; protein GPR107; RP11 88G17; anti-GPR107 antibody

### PRODUCT SPECIFICATIONS

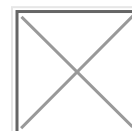
|                                                  |                                                                                               |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                        |
| Reactivity                                       | Human                                                                                         |
| Clonality                                        | Polyclonal                                                                                    |
| Isotype                                          | IgG                                                                                           |
| Specificity                                      | GPR107 antibody detects endogenous levels of total GPR107                                     |
| Purity/Purification                              | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin. |
| Form/Format                                      | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                    | 1mg/ml (varies by lot)                                                                        |
| Sequence Length                                  | 600                                                                                           |
| Applicable Applications for anti-GPR107 antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                  |
| Immunogen                                        | A synthesized peptide                                                                         |
| Subcellular Location                             | Cell Membrane; Integral to Membrane.                                                          |
| Predicted Cross Reactivity                       | <b>Pig, Horse</b>                                                                             |
| Similarity                                       | Pig (82%), Horse (80%)                                                                        |
| 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 HUVEC cells using GPR107 antibody. The lane on the left is treated with the antigen-specific peptide.



#### IF (Immunofluorescence)

AAA325555 staining HUVEC by IF/ICC. The sample was 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-GPR107 antibody | Function: Involved in Golgi-to-ER retrograde transport. Functions as a host factor required for infection by Pseudomonas aeruginosa exotoxin A and Campylobacter jejuni CDT toxins.<br>Post-translational Modifications: Cleaved by a furin endopeptidase to yield two fragments of 17 and 35 kDa that remain associated via a disulfide bond.<br>Similarity: Belongs to the LU7TM family. |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                |
|----------------------------------|----------------------------------------------------------------|
| NCBI GI #                        | 211971058                                                      |
| NCBI GeneID                      | 57720                                                          |
| NCBI Accession #                 | NP_001130029.1                                                 |
| NCBI GenBank Nucleotide #        | NM_001136557.1                                                 |
| UniProt Accession #              | Q5VW38; Q2TB81; Q5JPA3; Q5VW39; Q96T26; Q9H658; Q9HCE8; A6NJ53 |
| Molecular Weight                 | Observed: 67 kD<br>Predicted: 67 kDa                           |
| NCBI Official Full Name          | protein GPR107 isoform 1                                       |
| NCBI Official Synonym Full Names | G protein-coupled receptor 107                                 |
| NCBI Official Symbol             | GPR107                                                         |
| NCBI Official Synonym Symbols    | GCDRP; LUSTR1; bA138E2.2                                       |
| NCBI Protein Information         | protein GPR107                                                 |
| UniProt Protein Name             | Protein GPR107                                                 |
| UniProt Gene Name                | GPR107                                                         |
| UniProt Synonym Gene Names       | KIAA1624; LUSTR1                                               |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/gpr107-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325555>