

Anti-GPR116 Antibody
Rabbit polyclonal antibody to GPR116
Catalog # AP60174**Specification**

Anti-GPR116 Antibody - Product Information

Application	WB, IH, IF
Primary Accession	Q8IZF2
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	149457

Anti-GPR116 Antibody - Additional Information**Gene ID** 221395**Other Names**

KIAA0758; Probable G-protein coupled receptor 116

Target/Specificity

Recognizes endogenous levels of GPR116 protein.

Dilution

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500)
IH~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500)
IF~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-GPR116 Antibody - Protein Information**Name** ADGRF5 ([HGNC:19030](#))**Synonyms** GPR116, KIAA0758**Function**

Receptor that plays a critical role in lung surfactant homeostasis. May play a role in controlling adipocyte function.

Cellular Location

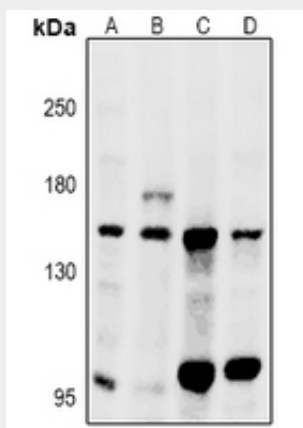
Cell membrane {ECO:0000250|UniProtKB:Q9WVT0}; Multi-pass membrane protein

Anti-GPR116 Antibody - Protocols

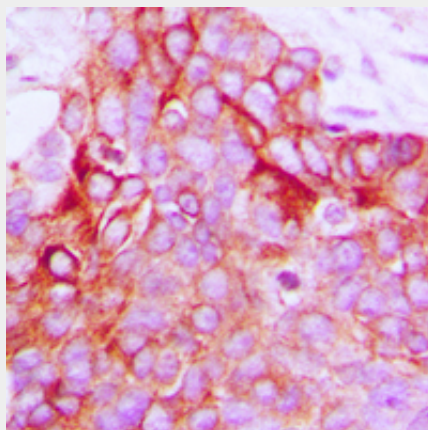
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

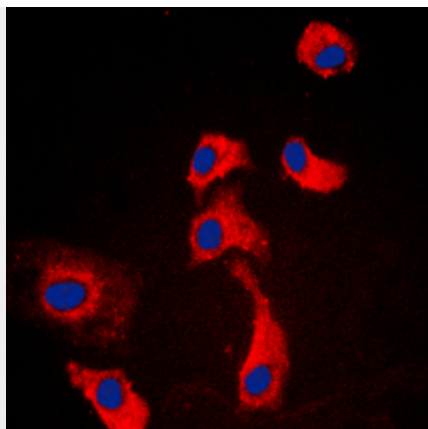
Anti-GPR116 Antibody - Images



Western blot analysis of GPR116 expression in 3T3L1 (A), PC12 (B), HEK293T (C), A549 (D) whole cell lysates.



Immunohistochemical analysis of GPR116 staining in human breast 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.



Immunofluorescent analysis of GPR116 staining in HEK293T cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Anti-GPR116 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human GPR116. The exact sequence is proprietary.