

GNA11 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15176**Specification**

GNA11 antibody - C-terminal region - Product Information

Application	WB
Primary Accession	P43444
Other Accession	NM_002067 , NP_002058
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Goat, Sheep, Horse, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Goat, Sheep, Horse, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41kDa kDa

GNA11 antibody - C-terminal region - Additional Information**Gene ID** 779103**Alias Symbol** **GNA-11****Other Names**

Guanine nucleotide-binding protein subunit alpha-11, G alpha-11, G-protein subunit alpha-11, gna11

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-GNA11 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

GNA11 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

GNA11 antibody - C-terminal region - Protein Information**Name** gna11**Function**

Guanine nucleotide-binding proteins (G proteins) function as transducers downstream of G protein-coupled receptors (GPCRs) in numerous signaling cascades. The alpha chain contains the guanine nucleotide binding site and alternates between an active, GTP-bound state and an inactive, GDP-bound state. Signaling by an activated GPCR promotes GDP release and GTP binding. The alpha subunit has a low GTPase activity that converts bound GTP to GDP, thereby terminating the signal. Both GDP release and GTP hydrolysis are modulated by numerous

regulatory proteins. Signaling is mediated via phospholipase C-beta- dependent inositol lipid hydrolysis for signal propagation: activates phospholipase C-beta: following GPCR activation, GNA11 activates PLC- beta (PLCB1, PLCB2, PLCB3 or PLCB4), leading to production of diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3).

Cellular Location

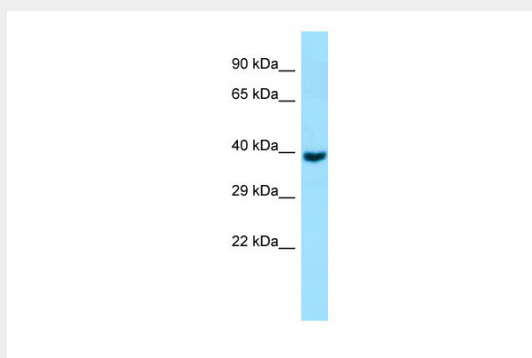
Cell membrane {ECO:0000250|UniProtKB:P29992}; Lipid-anchor {ECO:0000250|UniProtKB:P29992}. Cytoplasm {ECO:0000250|UniProtKB:P29992}

GNA11 antibody - C-terminal region - Protocols

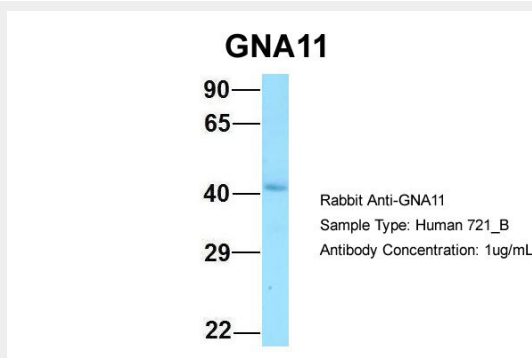
Provided below are standard protocols that you may find useful for product applications.

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

GNA11 antibody - C-terminal region - Images



WB Suggested Anti-GNA11 Antibody Titration: 1.0 µg/ml
Positive Control: Fetal Brain



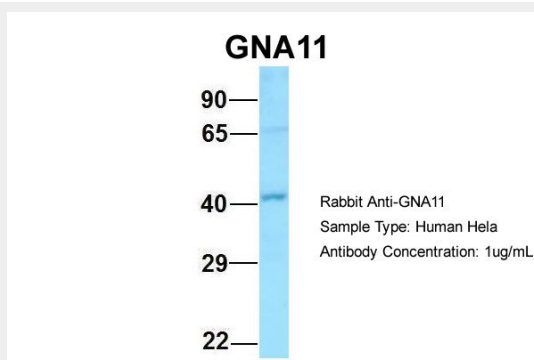
Host:Rabbit

Target Name:GNA11

Sample Tissue:721_B

Antibody Dilution: 1.0µg/ml There is BioGPS gene expression data showing that GNA11 is

expressed in 721_B

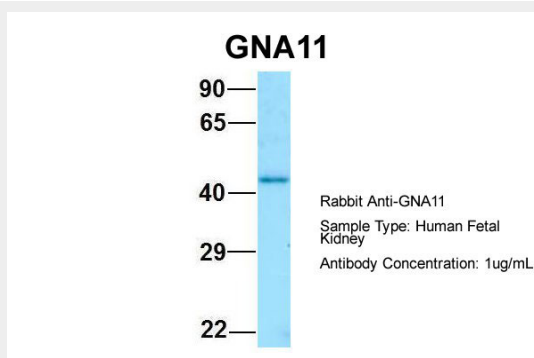


Host:Rabbit

Target Name:GNA11

Sample Tissue:Hela

Antibody Dilution: 1.0µg/ml There is BioGPS gene expression data showing that GNA11 is expressed in HeLa

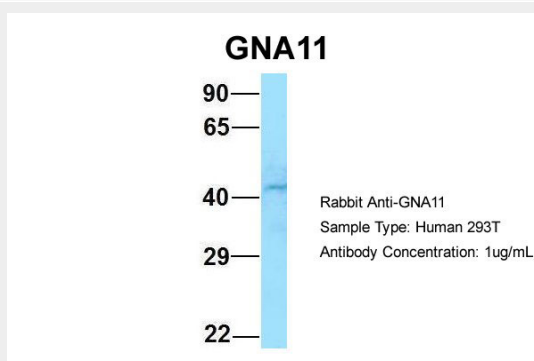


Host:Rabbit

Target Name:GNA11

Sample Tissue:Human Fetal Kidney

Antibody Dilution: 1.0µg/ml

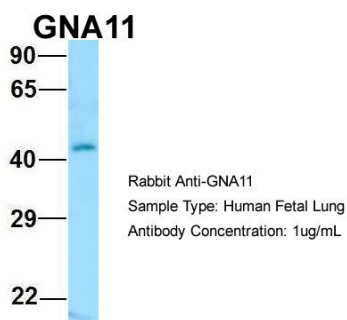


Host:Rabbit

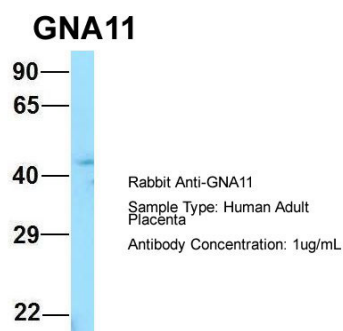
Target Name:GNA11

Sample Tissue:293T

Antibody Dilution: 1.0µg/ml There is BioGPS gene expression data showing that GNA11 is expressed in HEK293T



Host:Rabbit Target Name:GNA11 Sample Tissue:Human Fetal Lung Antibody Dilution: 1.0ug/ml



Host:Rabbit
Target Name:GNA11
Sample Tissue:Human Adult Placenta
Antibody Dilution: 1.0µg/ml

GNA11 antibody - C-terminal region - References

Shapira H.,et al.FEBS Lett. 348:89-92(1994).
Shapira H.,et al.FEBS Lett. 349:318-318(1994).