

GNA11 antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI15176

Product Information

Application	WB
Primary Accession	P43444
Other Accession	NM_002067 , NP_002058
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Goat, Dog, Guinea Pig, Horse, Sheep
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Goat, Dog, Guinea Pig, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42088

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.

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

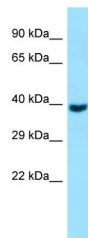
propagation: activates phospholipase C-beta: following GPCR activation, GNA11 activates PLC- beta (PLCB1, PLCB2, PLCB3 or PLCB4), leading to production of diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3).

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

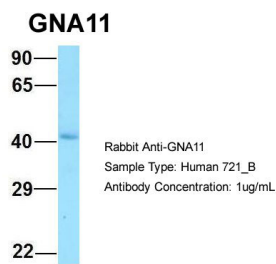
References

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

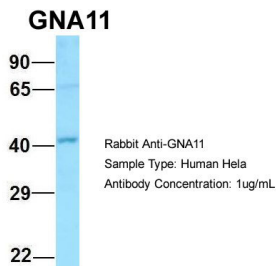
Images



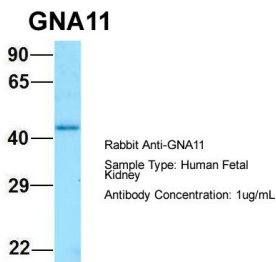
WB Suggested Anti-GNA11 Antibody Titration: 1.0 µg/ml
Positive Control: Fetal Brain



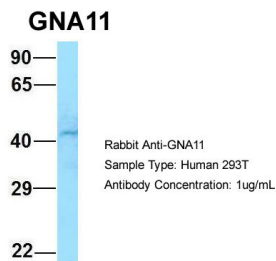
Host:Rabbit
Target Name:GNA11
Sample Tissue:721_B
Antibody Dilution: 1.0µg/mlThere is BioGPS gene expression data showing that GNA11 is expressed in 721_B



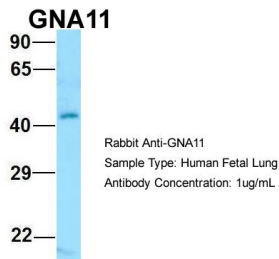
Host:Rabbit
Target Name:GNA11
Sample Tissue:Hela
Antibody Dilution: 1.0µg/mlThere is BioGPS gene expression data showing that GNA11 is expressed in HeLa



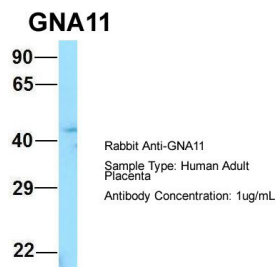
Host:Rabbit
Target Name:GNA11
Sample Tissue:Human Fetal Kidney
Antibody Dilution: 1.0µg/ml



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.