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GNAS antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI11939

Product Information

Application	WB
Primary Accession	Q5FWY2
Other Accession	NM_080426, NP_536351
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Goat, Dog, Horse, Bovine
Predicted	Human, Mouse, Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44250

Additional Information

Gene ID	2778
Alias Symbol	AHO, C20orf45, GNAS1, GNASXL, GPSA, GSA, GSP, NESP, NESP55, PHP1A, PHP1B, POH, XL2, XLalphas, PHP1C
Other Names	GNAS complex locus , GNAS
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 100 ul of distilled water. Final anti-GNAS 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	GNAS antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

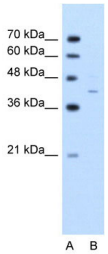
Protein Information

Name	GNAS {ECO:0000313|EMBL:AAH89157.2}
Function	Guanine nucleotide-binding protein (G protein) involved as transducer in olfactory signal transduction controlled by G protein- coupled receptors (GPCRs). 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. GNAL/G(olf) alpha specifically mediates olfactory signal transduction within the olfactory neuroepithelium and the basal ganglia following GPCRs activation. Acts by promoting the specific

activation of adenylyl cyclase ADCY3, resulting in increased levels of the signaling molecule cAMP.

Cellular Location Cell membrane {ECO:0000256|ARBA:ARBA00004193}; Lipid-anchor {ECO:0000256|ARBA:ARBA00004193}

Images



WB Suggested Anti-GNAS Antibody Titration: 2.5µg/ml
Positive Control: Jurkat cell lysate
There is BioGPS gene expression data showing that GNAS is expressed in Jurkat