

Rabbit GNAO1 Polyclonal Antibody | anti-GNAO1 antibody

GNAO1 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200501	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Yeast, Zebrafish	Western Blot, Immunohistochemistry

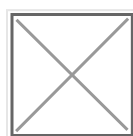
PRODUCT SYNONYMS

GNAO1; Polyclonal Antibody; GNAO1 antibody - middle region; anti-GNAO1 antibody

PRODUCT SPECIFICATIONS

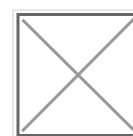
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Yeast, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: CD VVSRMEDTEP FSAELLSAMM RLWGDSGIQE CFNRSREYQL NDSAKYYL
Sequence Length	354
Applicable Applications for anti-GNAO1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%; Yeast: 100%; Zebrafish: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human GNAO1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



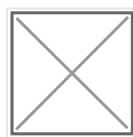
WB (Western Blot)

WB Suggested Anti-GNAO1 Antibody Titration: 0.2-1 ug/ml
 ELISA Titer: 1:62500
 Positive Control: 721_B cell lysate
 There is BioGPS gene expression data showing that GNAO1 is expressed in 721_B



WB (Western Blot)

Host: Rabbit
 Target Name: GNAO1
 Sample Type: Human Adult Placenta
 Antibody Dilution: 1.0ug/ml



IHC (Immunohistochemistry)

Immunohistochemistry with Brain, cerebellum tissue at an antibody concentration of 5ug/ml using anti-GNAO1 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-GNAO1 antibody	This is a rabbit polyclonal antibody against GNAO1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: Activated Goalpha interacted directly with PLZF, and enhanced its function as a transcriptional and cell growth suppressor. Goalpha might play a role in mediating extracellular signal-regulated kinase activation by G protein-coupled receptors in the brain.
Product Categories/Family for anti-GNAO1 antibody	Polyclonal; Neurobiology; Signal Transduction; Immunohistochemistry; GPCR

NCBI AND UNIPROT INFORMATION

NCBI GI #	162461738
NCBI GeneID	2775
NCBI Accession #	NP_620073
NCBI GenBank Nucleotide #	NM_138736
UniProt Accession #	B3KP89; P09471
Molecular Weight	40kDa
NCBI Official Full Name	guanine nucleotide-binding protein G(o) subunit alpha isoform b
NCBI Official Synonym Full Names	G protein subunit alpha o1
NCBI Official Symbol	GNAO1
NCBI Official Synonym Symbols	GNAO; NEDIM; EIEE17; HLA-DQB1; G-ALPHA-o
NCBI Protein Information	guanine nucleotide-binding protein G(o) subunit alpha
UniProt Protein Name	cDNA FLJ31446 fis, clone NT2NE2000909, highly similar to Guanine nucleotide-binding protein G(o) subunit alpha 1
UniProt Entry Name	B3KP89_HUMAN

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.