

Rabbit GNAI1 Polyclonal Antibody | anti-GNAI1 antibody

GNAI1 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23558	Rabbit	Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep, Yeast, Zebrafish	Western Blot

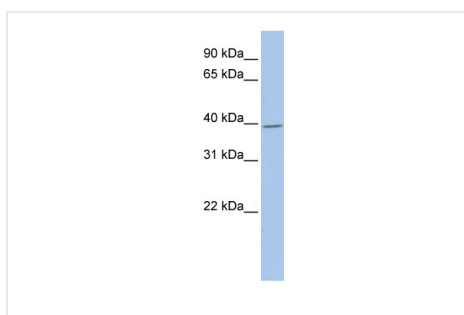
PRODUCT SYNONYMS

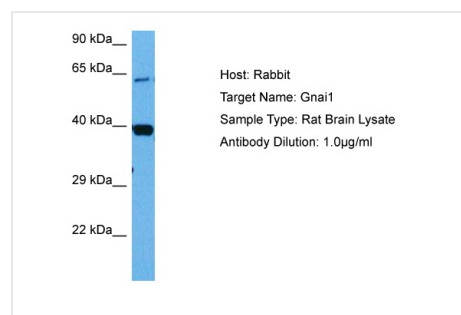
GNAI1; Polyclonal Antibody; GNAI1 antibody - middle region; anti-GNAI1 antibody

PRODUCT SPECIFICATIONS

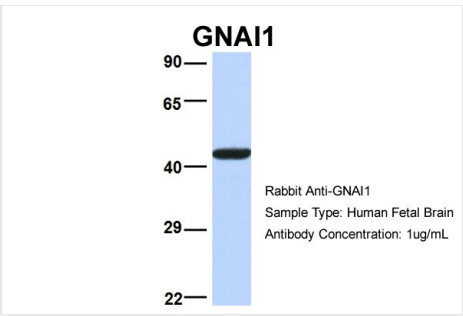
Host	Rabbit
Reactivity	Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep, Yeast, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following sequence: YQ LND SAAYYL NDLDR IAPNY IPTQQDVLRT RVKTTGIVET HFTFKDLH
Sequence Length	354
Applicable Applications for anti-GNAI1 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Goat: 79%; Guinea Pig: 93%; Horse: 93%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%; Sheep: 79%; Yeast: 100%; Zebrafish: 85%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human GNAI1
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)

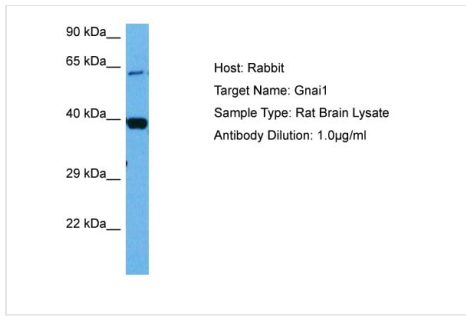
WB Suggested Anti-GNAI1 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:12500
Positive Control: Human brain

WB (Western Blot)

Host: Rat
Target Name: GNAI1
Sample Tissue: Rat Brain
Antibody Dilution: 1ug/ml



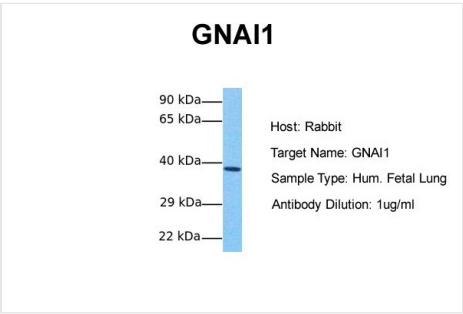
WB (Western Blot)

Host: RabbitTarget Name: GNAI1Sample Type: Human Fetal BrainAntibody Dilution: 1.0ug/ml



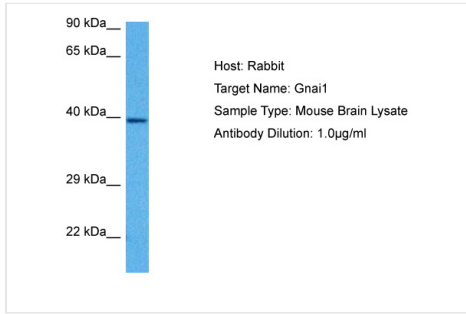
WB (Western Blot)

Host: RabbitTarget Name: GNAI1Sample Tissue: Rat BrainAntibody Dilution: 1ug/ml



WB (Western Blot)

Host: RabbitTarget Name: GNAI1Sample Tissue: Human Fetal LungAntibody Dilution: 1.0ug/ml



WB (Western Blot)

Host: MouseTarget Name: GNAI1Sample Tissue: Mouse BrainAntibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-GNAI1 antibody	This is a rabbit polyclonal antibody against GNAI1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: Guanine nucleotide-binding proteins (G proteins) form a large family of signal-transducing molecules. They are found as heterotrimers made up of alpha, beta, and gamma subunits. Members of the G protein family have been characterized most extensively on the basis of the alpha subunit, which binds guanine nucleotide, is capable of hydrolyzing GTP, and interacts with specific receptor and effector molecules. The G protein family includes Gs and Gi, the stimulatory and inhibitory GTP-binding regulators of adenylate cyclase; Go, a protein abundant in brain (GNAO1); and transducin-1 (GNAT1) and transducin-2 (GNAT2), proteins involved in phototransduction in retinal rods and cones, respectively. Guanine nucleotide-binding proteins (G proteins) form a large family of signal-transducing molecules. They are found as heterotrimers made up of alpha, beta, and gamma subunits. Members of the G protein family have been characterized most extensively on the basis of the alpha subunit, which binds guanine nucleotide, is capable of hydrolyzing GTP, and interacts with specific receptor and effector molecules. The G protein family includes Gs (MIM 139320) and Gi, the stimulatory and inhibitory GTP-binding regulators of adenylate cyclase; Go, a protein abundant in brain (GNAO1; MIM 139311); and transducin-1 (GNAT1; MIM 139330) and transducin-2 (GNAT2; MIM 139340), proteins involved in phototransduction in retinal rods and cones, respectively (Sullivan et al., 1986 [PubMed 3092218]; Bray et al., 1987 [PubMed 3110783]). Suki et al. (1987) [PubMed 2440724] concluded that the human genome contains at least 3 nonallelic genes for alpha-i-type subunits of G protein; see, e.g. GNAI2 (MIM 139360), GNAI3 (MIM 139370), and GNAIH (MIM 139180).[supplied by OMIM]. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-GNAI1 antibody	Polyclonal ; Chromatin & Nuclear Signaling ; Signal Transduction ; Various ; DNA/RNA/Protein Interactions ; Axon Guidance ; GPCR

NCBI AND UNIPROT INFORMATION

NCBI GI #	33946324
NCBI GeneID	2770

NCBI Accession #	NP_002060
NCBI GenBank Nucleotide #	NM_002069
UniProt Accession #	P63096
Molecular Weight	40kDa
NCBI Official Full Name	guanine nucleotide-binding protein G(i) subunit alpha-1 isoform 1
NCBI Official Synonym Full Names	G protein subunit alpha i1
NCBI Official Symbol	GNAI1
NCBI Official Synonym Symbols	Gi
NCBI Protein Information	guanine nucleotide-binding protein G(i) subunit alpha-1
UniProt Protein Name	Guanine nucleotide-binding protein G(i) subunit alpha-1
UniProt Gene Name	GNAI1
UniProt Entry Name	GNAI1_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gnai1-antibody-western-blot-elisa/23558>