

Rabbit GNAI3 Polyclonal Antibody | anti-GNAI3 antibody

GNAI3 Rabbit pAb

CATALOG # AAA281590	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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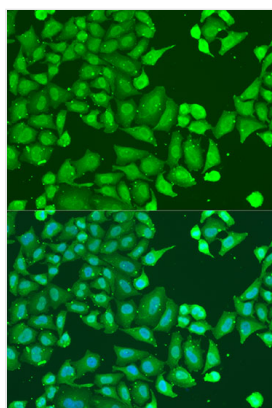
PRODUCT SYNONYMS

GNAI3; Polyclonal Antibody; GNAI3 Rabbit pAb; 87U6; ARCND1; anti-GNAI3 antibody

PRODUCT SPECIFICATIONS

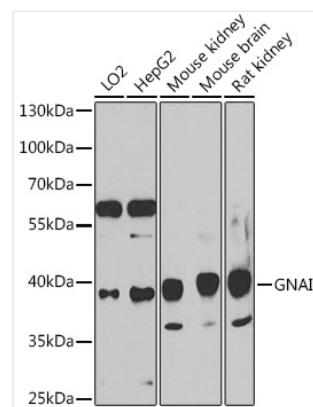
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	MGCTLSAEDK AAVERSKMID RNLREDGEKA AKEVKLLLLG AGESGKSTIV KQMIIHEDG YSEDECKQYK VVVSNTIQS IIAIIRAMGR LKIDFGEAAR
Applicable Applications for anti-GNAI3 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human GNAI3 (NP_006487.1).
Cellular Location	Cell membrane, Cytoplasm, Lipid-anchor, Membrane, centrosome, cytoskeleton, microtubule organizing center
Positive Samples	LO2, HepG2, Mouse kidney, Mouse brain, Rat kidney
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using GNAI3 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using GNAI3 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-GNAI3 antibody	Background: Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling pathways. G proteins are composed of 3 units: alpha, beta and gamma. This gene encodes an alpha subunit and belongs to the G-alpha family. Mutation in this gene, resulting in a gly40-to-arg substitution, is associated with auriculocondylar syndrome, and shown to affect downstream targets in the G protein-coupled endothelin receptor pathway.
Product Categories/Family for anti-GNAI3 antibody	Epigenetics & Nuclear Signaling; Translation Control; Regulation of eIF4 and p70 S6 Kinase; Research; Signal Transduction; mTOR Signaling Pathway; Research; Signal Transduction; Phospholipase Signaling Pathway; Research; Cell Biology & Developmental Biolo

NCBI AND UNIPROT INFORMATION

NCBI GI #	5729850
NCBI GeneID	2773
NCBI Accession #	NP_006487.1
NCBI GenBank Nucleotide #	NM_006496.3
UniProt Accession #	P08754; P17539
Molecular Weight	40,532 Da
NCBI Official Full Name	guanine nucleotide-binding protein G(k) subunit alpha
NCBI Official Synonym Full Names	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3
NCBI Official Symbol	GNAI3
NCBI Official Synonym Symbols	87U6; ARCND1
NCBI Protein Information	guanine nucleotide-binding protein G(k) subunit alpha; guanine nucleotide-binding protein G(k) subunit alpha; g(i) alpha-3
UniProt Protein Name	Guanine nucleotide-binding protein G(k) subunit alpha
UniProt Gene Name	GNAI3
UniProt Entry Name	GNAI3_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/gnai3-antibody-immunofluorescence-western-blot-elisa/281590>