ELK Biotechnology

Gα i-3 rabbit pAb

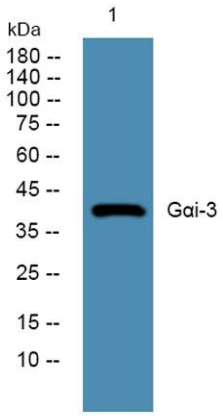
Cat No.:ES5567

For research use only

Overview

Product Name	Gα i-3 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human GNAI3. AA range:31-80
Specificity	Gα i-3 Polyclonal Antibody detects endogenous levels of Gα i-3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Guanine nucleotide-binding protein G(k) subunit alpha
Gene Name	GNAI3
Cellular localization	Cytoplasm . Cell membrane ; Lipid-anchor . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Localizes in the centrosomes of interphase and mitotic cells. Detected at the cleavage furrow and/or the midbody. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	41kD
Human Gene ID	2773
Human Swiss-Prot Number	P08754
Alternative Names	GNAI3; Guanine nucleotide-binding protein G(k) subunit alpha; G(i) alpha-3
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. [provided by RefSeq, Jun 2012],



Western blot analysis of lysates from K562 cells, primary antibody was diluted at 1:1000, 4°over night

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