



Gα i-3 Monoclonal Antibody

Catalog No	YP-mAb-16172
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	GNAI3
Immunogen	The antiserum was produced against synthesized peptide derived from human GNAI3. AA range:31-80
Specificity	Gα i-3 Monoclonal Antibody detects endogenous levels of Gα i-3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	87U6;FLJ26559;G protein alpha inhibiting 3;G(i) alpha 3;G(i) alpha-3;GNAI3; GNAI3_HUMAN;Guanine nucleotide binding protein (G protein) alpha inhibiting activity polypeptide 3;Guanine nucleotide binding protein G(k) alpha subunit; Guanine nucleotide-binding protein G(k) subunit alpha;OTTHUMP13368
Observed Band	41kD
Calculated Molecular Weight	41kD
Cell Pathway	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. .
Tissue Specificity	Liver,
Function	function:Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. G(k) is the stimulatory G protein of receptor-regulated K(+) channels.,similarity:Belongs to the G-alpha family. G(i/o/t/z) subfamily.,subunit:G proteins are composed of 3 units; alpha, beta and gamma. The alpha chain contains the guanine nucleotide binding site. Interacts with GPSM1.,



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],

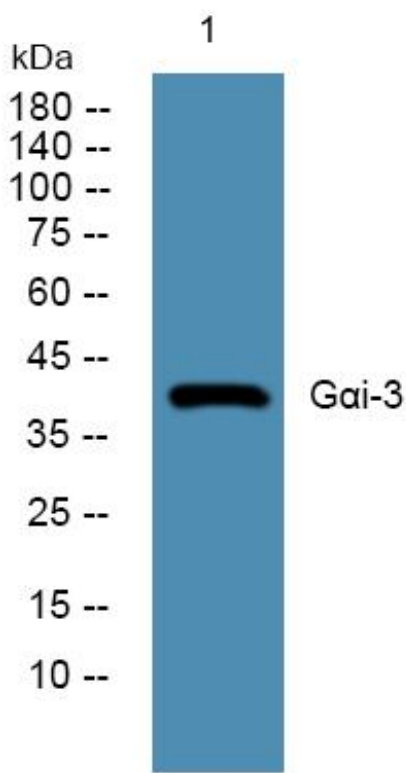
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Gα i-3 Monoclonal Antibody