

# [KO Validated] GNAI3 Rabbit pAb

Catalog No.: A13307 **KO Validated**

## Basic Information

### Observed MW

45kDa

### Calculated MW

41kDa

### Category

Primary antibody

### Applications

ELISA, WB, IF/ICC, IP

### Cross-Reactivity

Human, Mouse

## 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.

## Recommended Dilutions

**WB** 1:500 - 1:2000

**IF/ICC** 1:50 - 1:200

**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells

## Immunogen Information

### Gene ID

2773

### Swiss Prot

P08754

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-354 of human GNAI3 (NP\_006487.1).

### Synonyms

87U6; HG1A; ARCND1; ARCODS; I3

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

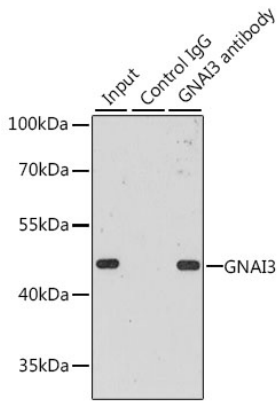
Affinity purification

### Storage

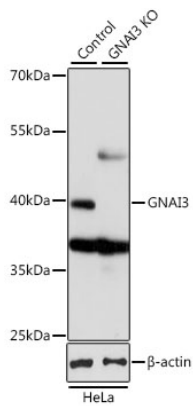
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

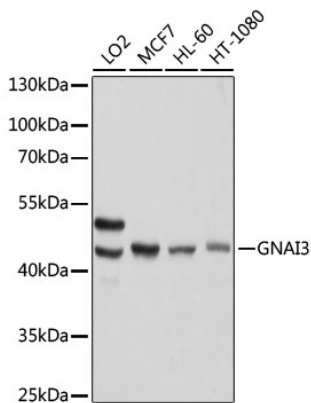
## Validation Data



Immunoprecipitation analysis of 200 µg extracts of MCF-7 cells, using 3 µg GNAI3 antibody (A13307). Western blot was performed from the immunoprecipitate using GNAI3 antibody (A13307) at a dilution of 1:1000.



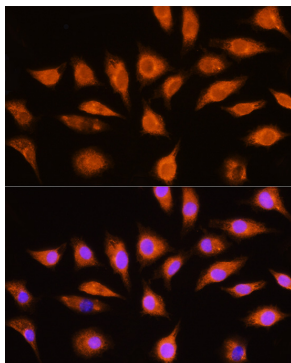
Western blot analysis of lysates from wild type (WT) and GNAI3 knockout (KO) HeLa cells, using [KO Validated] GNAI3 Rabbit pAb (A13307) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



Western blot analysis of various lysates using [KO Validated] GNAI3 Rabbit pAb (A13307) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

## Validation Data

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Immunofluorescence analysis of L929 cells using [KO Validated] GNAI3 Rabbit pAb (A13307) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.