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Anti-GNAO1 Antibody (aa50-100)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17463

Specification

Anti-GNAO1 Antibody (aa50-100) - Product Information

Application	**WB, IHC-P**
Primary Accession	P09471
Predicted	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**40051**

Anti-GNAO1 Antibody (aa50-100) - Additional Information

Gene ID 2775

Alias Symbol	**GNAO1**

Other Names
GNAO1, GNAO, G-ALPHA-o, G0 Protein Alpha

Target/Specificity
Endogenous levels of mouse and rat G alpha(o). Predicted to react with human G alpha(o) according to sequence homology. Positive Control: Mouse and rat brain.

Reconstitution & Storage
Lyophilized from PBS, pH 7.4, 0.02% sodium azide. Store lyophilized at -20°C. The reconstituted product can be stored for short term at 4 °C or long term at -20 °C or below. Avoid freeze/thaw cycles.

Precautions
Anti-GNAO1 Antibody (aa50-100) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-GNAO1 Antibody (aa50-100) - Protein Information

Name GNAO1

Function
Guanine nucleotide-binding proteins (G proteins) function as transducers downstream of G protein-coupled receptors (GPCRs) in numerous signaling cascades (PubMed:29925951). The alpha chain contains the guanine nucleotide binding site and alternates between an active, GTP-bound state and an inactive, GDP-bound state (By similarity). Signaling by an activated GPCR promotes GDP release and GTP binding (By similarity). The alpha subunit has a low GTPase activity that converts bound GTP to GDP, thereby terminating the signal (By similarity). Both GDP release and GTP hydrolysis are modulated by numerous regulatory proteins (By similarity). Signaling is mediated via effector proteins, such as adenylate cyclase (By similarity). Inhibits adenylate

cyclase activity, leading to decreased intracellular cAMP levels (By similarity).

Cellular Location
Cell membrane. Membrane; Lipid-anchor

Anti-GNAO1 Antibody (aa50-100) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-GNAO1 Antibody (aa50-100) - Images