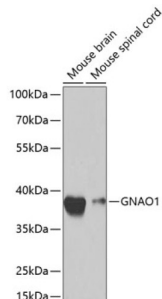
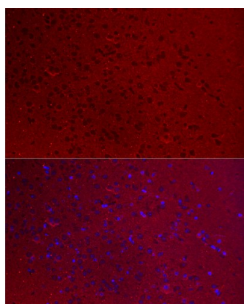


Guanine Nucleotide Binding Protein (G Protein), Alpha Activating Activity Polypeptide O (GNAO1) Antibody

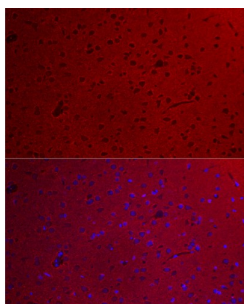
Catalogue No.: abx001952



Western blot analysis of various lysates using GNAO1 Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST.



Immunofluorescence analysis of paraffin-embedded mouse brain using GNAO1 Antibody at dilution of 1/100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1/500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of paraffin-embedded rat brain using GNAO1 Antibody at dilution of 1/100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1/500 dilution. Blue: DAPI for nuclear staining.

GNAO1 Antibody is a Rabbit Polyclonal antibody against GNAO1. Heterotrimeric G proteins are membrane bound GTPases that are linked to 7-TM receptors. Each G protein contains an alpha-, beta- and gamma-subunit and is bound to GDP in the 'off' state. Ligand-receptor binding results in detachment of the G protein, switching it to an 'on' state and permitting Galpha activation of second messenger signalling cascades. There are several types of Galpha proteins; Galpha_s and Galpha_i bind directly to adenylyl cyclase and stimulate or inhibit its activity, leading to an increase or decrease in cAMP levels respectively.

Target:	Guanine Nucleotide Binding Protein (G Protein), Alpha Activating Activity Polypeptide O (GNAO1)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	ELISA, WB, IF/ICC
Host:	Rabbit

Datasheet

Version: 3.0.0
Revision date: 14 Oct 2025



Recommended dilutions: ELISA: 1 µg/ml, WB: 1/500 - 1/2000, IF/ICC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: Recombinant protein corresponding to GNAO1. The exact sequence is proprietary.

Isotype: IgG

Form: Liquid

Purification: Purified by affinity chromatography.

Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: P09471 ([UniProt](#), [ExPASy](#))

Gene Symbol: GNAO1

GeneID: [2775](#)

NCBI Accession: NP_066268.1

KEGG: hsa:2775

String: [9606.ENSP00000262494](#)

Molecular Weight: Calculated MW: 40 kDa
Observed MW: 39 kDa

Buffer: PBS, pH 7.3, containing 0.09% sodium azide, 50% glycerol.

Concentration: > 0.2 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.