

## GNAO1

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:** 40kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant protein of human GNAO1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

GNAO; EIEE17; G-ALPHA-o;

**Catalog #:** A2510

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 2775

**Isotype:** IgG

**Swiss Prot:** P09471

**Purity:** Affinity purification

For research use only.

**Background:**

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; G $\alpha$ s and G $\alpha$ i bind directly to adenylyl cyclase and stimulate or inhibit its activity, leading to an increase or decrease in cAMP levels respectively.

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