

## Gα olf (D81) polyclonal antibody

Catalog: BS3310

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Heterotrimeric G proteins function to relay information from cell surface receptors to intracellular effectors. Each of a very broad range of receptors specifically detects an extracellular stimulus (a photon, pheromone, odorant, hormone or neurotransmitter) while the effectors (e.g. adenylyl cyclase), which act to generate one or more intracellular messengers, are less numerous. In mammals, G protein  $\alpha$ ,  $\beta$  and  $\gamma$  polypeptides are encoded by at least 16, 4 and 7 genes, respectively. Most interest in G proteins has been focused on their  $\alpha$  subunits, since these proteins bind and hydrolyze GTP, and most obviously regulate the activity of the best studied effectors. The Gs subfamily of G $\alpha$  subunits includes two closely related proteins, G $\alpha$  s and G $\alpha$  olf, which, respectively, stimulate adenylyl cyclase and mediate response to olfactory stimuli.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 40 kDa

### Swiss-Prot:

P38405

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

### Applications:

IHC: 1:50~1:200

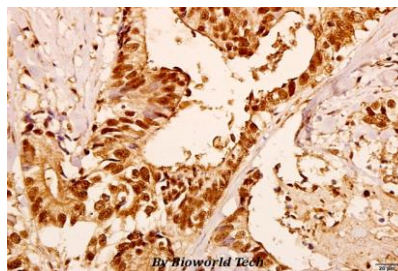
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

G $\alpha$  olf (D81) polyclonal antibody detects endogenous levels of G $\alpha$  olf protein.

### DATA:



Immunohistochemistry (IHC) analyzes of G $\alpha$  olf (D81) pAb in paraffin-embedded human colorectal carcinoma tissue at 1:50.

### Note:

For research use only, not for use in diagnostic procedure.

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