

## Gα t2 (V34) polyclonal antibody

Catalog: BS3874

Host: Rabbit

Reactivity: Human, Mouse

### Background:

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. Four distinct classes of G $\alpha$  subunits have been identified; these include Gs, Gi, Gq and G $\alpha$  12/13. The Gi class comprises all the known  $\alpha$  subunits that are susceptible to pertussis toxin modifications, including G $\alpha$  i-1, G $\alpha$  i-2, G $\alpha$  i-3, G $\alpha$  o, G $\alpha$  t1, G $\alpha$  t2, G $\alpha$  z and G $\alpha$  gust. In the well characterized visual system, photorhodopsin catalyzes the exchange of guanine nucleotides bound to the visual transducin G $\alpha$  subunits (G $\alpha$  t1 in rod cells and G $\alpha$  t2 in cone cells).

### Product:

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

### Molecular Weight:

~ 40 kDa

### Swiss-Prot:

P19087

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

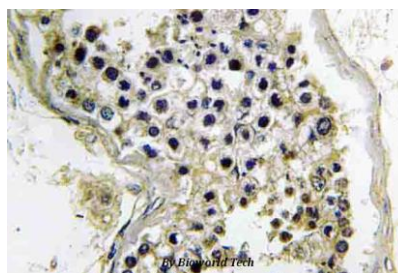
### Storage&Stability:

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

### Specificity:

G $\alpha$  t2 (V34) polyclonal antibody detects endogenous levels of G $\alpha$  t2 protein.

### DATA:



Immunohistochemistry (IHC) analyzes of G $\alpha$  t2 (V34) pAb in paraffin-embedded human testis tissue.

### Note:

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

### Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: [info@bioworld.com](mailto:info@bioworld.com)

Tel: 6123263284

Fax: 6122933841

### Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: [info@biogot.com](mailto:info@biogot.com)

Tel: 0086-025-68037686

Fax: 0086-025-68035151