**Background**

GTP-binding proteins (G-proteins) play a critical role in signal transduction by coupling receptors to effectors. The intracellular consequences of G-protein activation include second messenger generation, protein phosphorylation, ion channel activation, gene induction, cell growth, and differentiation. Gi belongs to the pertussis toxin sensitive G-proteins. Gi consists of three different subtypes of α-subunits (α1, α2, and α3).

**Immunogen**

Peptide corresponding to amino acids 345-354 of Giα1 and 346-355 of Giα2.

Western blot analysis using Giα1/2 antibody on 10 ng of purified Giα1 protein.

**Ordering Information**

**Catalog Number**

X1595P

**Size**

100 µg

**Form**

Unconjugated

**Host/Clone**

Rabbit

**Formulation**

Provided as solution in phosphate buffered saline with 0.08% sodium azide

**Concentration**

See vial for concentration

**Isotype**

IgG

**Applications**

Western Blot

**Species Reactivity**

Murine, Rat, Human, Bovine

**Accession Number**

Human P04899
**POSITIVE CONTROL/TISSUE EXPRESSION**
IMR-5 cells or brain

**COMMENTS**
Antibody can be used for Western blotting (5-10 µg/ml). Optimal concentration should be evaluated by serial dilutions.

**PURIFICATION**

**SHIP CONDITIONS**
Ship at ambient temperature, freeze upon arrival

**STORAGE CUSTOMER**
Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

**STABILITY**
Products are stable for one year from purchase when stored properly

**REFERENCES**

**PRODUCT SPECIFIC REFERENCES**