

---

## Gab1 Rabbit pAb

Catalog Number: bs-2770R

Target Protein: Gab1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), ICC/IF (1:100-500), ELISA (1:5000-10000)

Reactivity: (predicted:Human, Mouse, Rat, Rabbit, Pig, Cow, Dog, Horse)

Predicted MW: 76 kDa

Subcellular Cytoplasm

Locations:

Entrez Gene: 2549

Swiss Prot: Q13480

Source: KLH conjugated synthetic peptide derived from human Gab1: 601-694/694.

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** Gab1 is a 115 kDa multiple docking protein that plays an essential role in cellular growth, transformation and apoptosis. Gab1 can be phosphorylated by multiple receptor tyrosine kinase (RTKs), including: insulin receptor (IR), platelet derived growth factor receptor beta [PDGFRbeta]), hepatocyte growth factor/scatter factor receptor (HGFR/SFR or c Met), and epidermal growth factor receptor (EGF), as well as in response to cell cell adhesion. Gab1 is tyrosine phosphorylated on at least 16 sites, some of which serve as binding sites for phosphatidylinositol 3 kinase (PI3K), Grb2, PLC gamma 1, Nck, and SHP2. Phosphorylation of Gab1 on tyrosines 627 and 659 is critical for its binding to SHP2, and for activation of the ERK/MAPK pathway in response to EGF.