bs-3165R **[Primary Antibody]**

phospho-Gab1 (Tyr627) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 2549 **SWISS:** Q13480

Target: Gab1 (Tyr627)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human Gab1 around the phosphorylation site of Tyr627: VE(p-Y)LD.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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 phosphoatidylinositol 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.

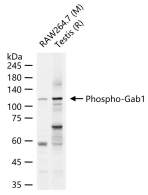
Applications: **WB** (1:500-2000)

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

Predicted MW.: 76 kDa

Subcellular Location: Cytoplasm

VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with Phospho-Gab1 (Tyr627) polyclonal antibody, unconjugated (bs-3165R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.