

bs-13640R**[Primary Antibody]****GRAP Rabbit pAb****BioSS**
ANTIBODIES

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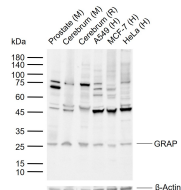
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— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 10750 Target: GRAP Immunogen: KLH conjugated synthetic peptide derived from human GRAP: 51-150/217. 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: Many growth factors function by binding receptors with intrinsic tyrosine kinase activity. Signaling by such receptors involves a series of intermediates characterized by SH2 domains that bind tyrosine phosphorylated receptors by a direct interaction between the SH2 domain and specific receptor sequences. For instance, the GRB family of proteins lack a defined catalytic activity and are entirely composed of SH2 and SH3 domains. Members include GRB2, GRB7, GRB10 (also referred to as GRB-IR), GRB14 and Grap (for GRB2-related adapter protein). While GRB10 and GRB14 are most closely related to GRB7, Grap shares the highest degree of homology with GRB2 exhibiting 59% sequence identity with GRB2. The Grap SH2 domain is capable of binding to the activated stem cell factor receptor, c-Kit and the erythropoietin receptor (EpoR). Grap also associates with the Ras guanine nucleotide exchange factor Sos 1 via its amino terminal SH3 domain.	Isotype: IgG SWISS: Q13588 Applications: WB (1:500-2000) Reactivity: Human, Mouse, Rat (predicted: Rabbit, Cow, Horse) Predicted MW.: 25 kDa Subcellular Location: Cytoplasm
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— VALIDATION IMAGES —

Sample: Lane 1: Mouse Prostate tissue lysates
Lane 2: Mouse Cerebrum tissue lysates Lane 3:
Rat Cerebrum tissue lysates Lane 4: Human A549
cell lysates Lane 5: Human MCF-7 cell lysates
Lane 6: Human HeLa cell lysates Primary: Anti-
GRAP (bs-13640R) at 1/1000 dilution Secondary:
IRDye800CW Goat Anti-Rabbit IgG at 1/20000
dilution Predicted band size: 25 kDa Observed
band size: 25 kDa