

bs-3106R**[Primary Antibody]****phospho-EGFR (Ser1045) Rabbit pAb****Bioss**
ANTIBODIES

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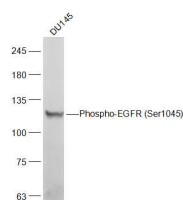
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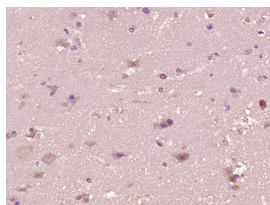
400-901-9800

— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 1956**SWISS:** P00533**Target:** EGFR (Ser1045)**Immunogen:** KLH conjugated Synthesised phosphopeptide derived from human EGFR around the phosphorylation site of Ser1045: NN(p-S)TV.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

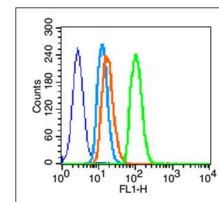
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. Mutations in this gene are associated with lung cancer. Multiple alternatively spliced transcript variants that encode different protein isoforms have been found for this gene. [provided by RefSeq, Jul 2010]**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (0.2µg /test)**Reactivity:** Human (predicted: Mouse, Rat, Horse)**Predicted MW.:** 130 kDa**Subcellular Location:** Secreted ,Cell membrane ,Cytoplasm ,Nucleus**— VALIDATION IMAGES —**

Sample: DU145(Human) Cell Lysate at 30 ug
 Primary: Anti-Phospho-EGFR (Ser1045)
 (bs-3106R) at 1/1000 dilution Secondary:
 IRDye800CW Goat Anti-Rabbit IgG at 1/20000
 dilution Predicted band size: 130 kD Observed
 band size: 130 kD



Paraformaldehyde-fixed, paraffin embedded
 (Human brain glioma); Antigen retrieval by
 boiling in sodium citrate buffer (pH6.0) for
 15min; Block endogenous peroxidase by 3%
 hydrogen peroxide for 20 minutes; Blocking
 buffer (normal goat serum) at 37°C for 30min;
 Antibody incubation with (Phospho-EGFR
 (Ser1045)) Polyclonal Antibody, Unconjugated
 (bs-3106R) at 1:400 overnight at 4°C, followed by
 operating according to SP Kit(Rabbit) (sp-0023)
 instructions and DAB staining.



Blank control (blue line): A431 (fixed with 2%
 paraformaldehyde (10 min) , then permeabilized
 with 90% ice-cold methanol for 30 min on ice).
 Primary Antibody (green line): Rabbit Anti-
 Phospho-EGFR (Ser1045) antibody
 (bs-3106R), Dilution: 0.2µg /10⁶ cells. Isotype
 Control Antibody (orange line): Rabbit IgG .
 Secondary Antibody (white blue line): Goat anti-
 rabbit IgG-FITC, Dilution: 1µg /test.