



Rabbit Anti-Phospho-EGFR (Ser1045), Alexa Fluor 405 conjugated

Cat. Number: bs-3016R-AF405

Quantity size: 100ul

Concentration: 1mg/ml. Buffer = 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Background: Protein kinases are enzymes that transfer a phosphate group from a phosphate donor onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. The protein kinase family is one of the largest families of proteins in eukaryotes, classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. Epidermal Growth factor receptor (EGFR) is the prototype member of the type 1 receptor tyrosine kinases. EGFR overexpression in tumors indicates poor prognosis and is observed in tumors of the head and neck, brain, bladder, stomach, breast, lung, endometrium, cervix, vulva, ovary, esophagus, stomach and in squamous cell carcinoma.

Specificity:

- Rabbit Polyclonal IgG, affinity purified by Protein A.
- Reacts with: Human, (predicted: Mouse, Rat, Horse)
- Immunogen: KLH conjugated Synthesised phosphopeptide derived from human EGFR around the phosphorylation site of Ser1045: NN(p-S)TV

Application:

- Excitation spectrum: 405nm
- Emission spectrum: 424nm
- Optimal working dilutions must be determined by the end user.
- Protect from light.

Storage: Shipped at 4°C, Store at -20°C (Avoid repeated freeze/thaw cycles).

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.