

EGF Rabbit pAb

Catalog Number: bs-2008R

Target Protein: EGF

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: Flow-Cyt (1ug/Test), ICC/IF (1:100)

Reactivity: Human

Predicted MW: 5.8/133 kDa

Entrez Gene: 1950

Swiss Prot: P01133

Source: KLH conjugated synthetic peptide derived from human EGF: 31-53/53 (1007-1023/1207).

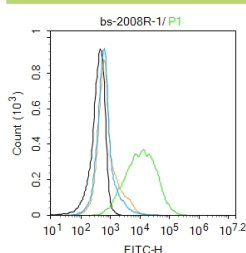
Purification: affinity purified by Protein A

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

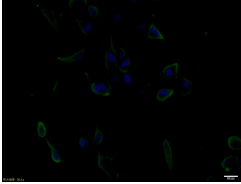
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Epidermal growth factor (EGF) is an acid- and heat-stable 53 amino acid protein originally found in rodents and humans. It has been shown to be a potent mitogen for a variety of cell types both in vivo and in vitro. EGF binds to the EGF receptor on the surface of cells and mediates intrinsic phosphorylation of the receptor on tyrosine residues. It has been detected in nearly all body fluids, such as urine (urogastrone), saliva, milk and platelet-rich plasma. EGF, TGF β and vaccinia virus growth factor exhibit 30-40% amino acid homology. Several additional members of the EGF/TGF family have been described; these include Cripto, Amphiregulin and the heparin-binding EGF-like growth factor. Amphiregulin and the heparin-binding EGF-like growth factor both bind to the EGF receptor.

VALIDATION IMAGES



Blank control: K562. Primary Antibody (green line): Rabbit Anti-EGF antibody (bs-2008R) Dilution: 1 μ g /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF488 Dilution: 1 μ g /test. Protocol The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



U87MG cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (EGF) polyclonal Antibody, Unconjugated (bs-2008R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

PRODUCT SPECIFIC PUBLICATIONS

[IF=1.624] Kun Wuet al. Preparation and evaluation of heparinized sponge based on collagen and chitosan for wound healing. Journal Of Bioactive And Compatible Polymers IHC ; mouse . 10.1177/0883911520939983

[IF=0.94] Bi, Lingyun, et al. "Effect of bone marrow stem cell mobilisation on the expression levels of cellular growth factors in a rat model of acute tubular necrosis." Experimental and Therapeutic Medicine. IHC ; ="Rat" . 10.3892/etm.2015.2574

[IF=1.438] Jiang JY et al. Effects of estradiol and progesterone on secretion of epidermal growth factor and insulin-like growth factor-1 in cultured yak endometrial epithelial cells. Tissue Cell. 2018 Jun;52:28-34. IF, WB ; Yak . 29857825

[IF=1.13] Dapeng Yang. et al. The histologic comparison of submandibular gland between yak and yellow cattle. ANAT HISTOL EMBRYOL. 2023 Apr;; IF ; Bovine . 37089018