

bs-10007R**[Primary Antibody]****EGFR Rabbit pAb****Bioss**
ANTIBODIES

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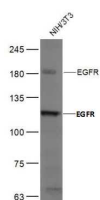
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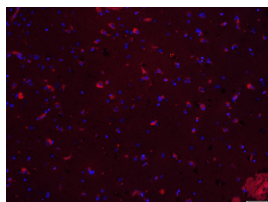
400-901-9800

— DATASHEET —

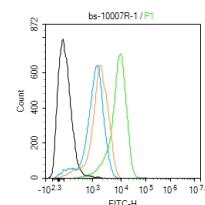
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:200-800) Flow-Cyt (1ug/Test)
Clonality: Polyclonal		
GeneID: 1956	SWISS: P00533	
Target: EGFR		
Immunogen: KLH conjugated synthetic peptide derived from human EGFR: 51-150/1210. < Extracellular >		
Purification: affinity purified by Protein A		Reactivity: Human, Mouse (predicted: Rat, Rabbit, Pig, Sheep, Cow)
Concentration: 1mg/ml		Predicted MW.: 130 kDa
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.		Subcellular Location: Secreted ,Cell membrane
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]		Location: ,Cytoplasm ,Nucleus

— VALIDATION IMAGES —

Sample: NIH/3T3(Mouse) Cell Lysate at 40 ug
 Primary: Anti-EGFR (bs-10007R) at 1/500 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 170 kD
 Observed band size: 181/130 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 (EGFR) Polyclonal Antibody, Unconjugated (bs-10007R) at 1:400 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (bs-0295G-cy3) for 90 minutes, and DAPI for nuclei staining.



Blank control (black line) :A431. Primary Antibody (green line): Rabbit Anti-EGFR antibody (bs-10007R) Dilution:1ug/Test; Secondary Antibody (white/blue line) : Goat anti-rabbit IgG-AF488 Dilution: 0.5ug/Test. Isotype control (orange line) : Normal Rabbit IgG Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then 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.

— SELECTED CITATIONS —

- **[IF=7.666]** Defang Zhou. et al. Musashi-1 and miR-147 Precursor Interaction Mediates Synergistic Oncogenicity Induced by Co-Infection of Two Avian Retroviruses. CELLS-BASEL. 2022 Jan;11(20):3312 WB ;Chicken. 36291177

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

- **[IF=5.6]** Biao Wang. et al. The HIF-1 α /EGF/EGFR Signaling Pathway Facilitates the Proliferation of Yak Alveolar Type II Epithelial Cells in Hypoxic Conditions. INT J MOL SCI. 2024 Jan;25(3):1442 WB ;Bovine. 10.3390/ijms25031442
- **[IF=6.286]** Qianqian Xie. et al. Inhibition of Transcription of VP2 by Mutations in the DNA Binding Domains of Mink Enteritis Virus NS1 protein. VIRUS RES. 2022 Oct;:198972 IF ;Cat. 36261066
- **[IF=6.064]** Shima Abdelsattar. et al. The Potential Utility of Circulating Oncofetal H19 Derived miR-675 Expression versus Tissue lncRNA-H19 Expression in Diagnosis and Prognosis of HCC in Egyptian Patients. BIOMOLECULES. 2023 Jan;13(1):3 IHC ;Human. 36671388
- **[IF=4.292]** Longfei Xiao. et al. Dihydrotestosterone regulation of cyclooxygenase-2 expression in bovine endometrial epithelium cells by androgen receptor mediated EGFR/PI3K/Akt pathway. J Steroid Biochem. 2021 Nov;214:106001 WB ;Bovine. 10.1016/j.jsbmb.2021.106001