

bs-4568R**[Primary Antibody]****BioSS**
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EGF Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 13645	SWISS: P01132	IHC-F (1:100-500)
Target: EGF		IF (1:50-200)
Immunogen: KLH conjugated synthetic peptide derived from mouse EGF: 1-53/53 (977-1029/1217).		ELISA (1:5000-10000)
Purification: affinity purified by Protein A		Reactivity: Mouse (predicted: Rat)
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.		Predicted MW.: 5.8/133 kDa
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.		Subcellular Location: Cell membrane

— SELECTED CITATIONS —

- **[IF=13.2]** Nier Wu. et al. DNA nanotube-carrying antimicrobial peptide confers improved anti-infective therapy. NANO TODAY. 2024 Dec;59:102508 IF ;Mouse. 10.1016/j.nantod.2024.102508
- **[IF=8.025]** Xinxin Lan. et al. Xanthan gum/oil body-microgel emulsions with enhanced transdermal absorption for accelerating wound healing. INT J BIOL MACROMOL. 2022 Sep;: WB ;Mouse. 36126813
- **[IF=4.57]** Niwa, Atsuko, et al. "Voluntary exercise induces neurogenesis in the hypothalamus and ependymal lining of the third ventricle." Brain Structure and Function: 1-14. IHC ;="Rat". 25633473
- **[IF=4.9]** Kanna Maita. et al. Impact of Reduced Saliva Production on Intestinal Integrity and Microbiome Alterations: A Sialoadenectomy Mouse Model Study. INT J MOL SCI. 2024 Jan;25(22):12455 IHC ;Mouse. 39596522
- **[IF=2.74]** Rui Feng. et al. Progesterone regulates inflammation and receptivity of cells via the NF- κ B and LIF/STAT3 pathways. THERIOGENOLOGY. Theriogenology. 2022 Jul;186:50 WB ;Bovine. 35430548