

bs-2558R**[Primary Antibody]****BioSS**
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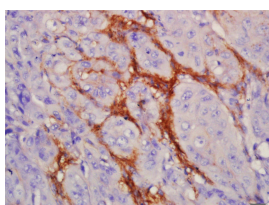
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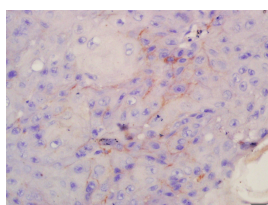
400-901-9800

EGFRvIII Rabbit pAb**— DATASHEET —**

Host: Rabbit Clonality: Polyclonal GeneID: 1956 Target: EGFRvIII Immunogen: KLH conjugated synthetic peptide derived from human EGFRvIII: 11-120/1081. 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]	Isotype: IgG SWISS: P00533	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (3µg/Test) ICC/IF (1:100-500) Reactivity: Human Predicted MW.: 100/130 kDa Subcellular Location: Secreted ,Cell membrane ,Cytoplasm ,Nucleus
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— VALIDATION IMAGES —

Tissue/cell: human laryngocarcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-EGFRvIII Polyclonal Antibody, Unconjugated(bs-2558R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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— SELECTED CITATIONS —

- **[IF=16.744]** Linlin Liu. et al. Site specific biotinylated antibody functionalized Ag@AuNIs LSPR biosensor for the ultrasensitive detection of exosomal MCT4, a glioblastoma progression biomarker. CHEM ENG J. 2022 Oct;446:137383 IP ;Mouse. 10.1016/j.cej.2022.137383
- **[IF=13.325]** Qiu GY et al. Detection of Glioma - Derived Exosomes with the Biotinylated Antibody - Functionalized Titanium Nitride Plasmonic Biosensor. Advanced Functional Materials,2018 1806761. Other ;Mouse&Human. 10.1002/adfm.201806761

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

- **[IF=10.652]** Chen Xu. et al. Determination of glioma cells' malignancy and their response to TMZ via detecting exosomal BIGH3 by a TiO₂-CTFE-AuNIs plasmonic biosensor. Chem Eng J. 2021 Jul;415:128948 ICC ;Human. 10.1016/j.cej.2021.128948
- **[IF=5.68]** Agnes, Richard S., et al. "An optical probe for noninvasive molecular imaging of orthotopic brain tumors overexpressing epidermal growth factor receptor." Molecular cancer therapeutics 11.10 (2012): 2202-2211. WB ;Human. 22807580
- **[IF=5.62]** Wei, Jian-wei, et al. "F25P preproinsulin abrogates the secretion of pro-growth factors from EGFRvIII cells and suppresses tumor growth in an EGFRvIII/wt heterogenic model." Cancer Letters (2016). WB,ICC ;Mouse. 27317648