

EGFRvIII Rabbit pAb

Catalog Number: bs-2558R

Target Protein: EGFRvIII

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (3µg/Test), ICC/IF (1:100)

Reactivity: Human

Predicted MW: 100/130 kDa

Entrez Gene: 1956

Swiss Prot: P00533

Source: KLH conjugated synthetic peptide derived from human EGFRvIII: 11-120/1081.

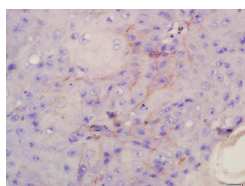
Purification: affinity purified by Protein A

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

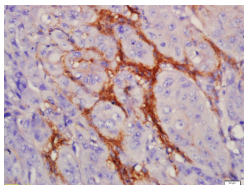
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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]

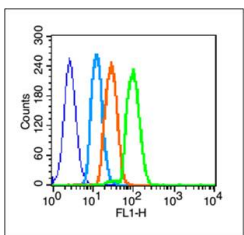
VALIDATION IMAGES



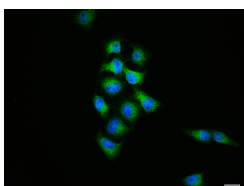
Tissue/cell: human laryngocarcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: 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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Blank control (blue line): A431 (fixed with 2% paraformaldehyde (10 min), then permeabilized with 90% ice-cold methanol for 30 min on ice). Primary Antibody (green line): Rabbit Anti-EGFRvIII antibody (bs-2558R), dilution: 3 µg / 10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white/blue line): Goat anti-rabbit IgG-FITC, Dilution: 1 µg / test.



HeLa 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 (EGFRvIII) polyclonal Antibody, Unconjugated (bs-2558R) 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=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

[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