### bs-2558R

## [ Primary Antibody ]

# EGFRvIII Rabbit pAb



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— DATASHEET ———		400-901-9800
Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500)
Clonality: Polyclonal	-	<b>IHC-F</b> (1:100-500)
GenelD: 1956	SWISS: P00533	<b>Flow-Cyt</b> (3µg/Test)
Target: EGFRvIII		ICC/IF (1:100)
Immunogen: KLH conjugated 11-120/1081.	d synthetic peptide derived from human EGFRvIII:	
Purification: affinity purified by Protein A		Reactivity: Human
Concentration: 1mg/ml		
<b>Storage:</b> 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.: <sup>100/130</sup> kDa
Background: The protein end that is a member a receptor for m EGFR is a cell su factor. Binding dimerization an proliferation. M cancer. Multiple encode differen [provided by Re	coded by this gene is a transmembrane glycoprote er of the protein kinase superfamily. This protein in nembers of the epidermal growth factor family. Inface protein that binds to epidermal growth of the protein to a ligand induces receptor and tyrosine autophosphorylation and leads to cell utations in this gene are associated with lung e alternatively spliced transcript variants that ht protein isoforms have been found for this gene. efSeq, Jul 2010]	s <b>Subcellular</b> Secreted ,Cell membrane Location: ,Cytoplasm ,Nucleus

#### – VALIDATION IMAGES



Tissue/cell: human laryngocarcinoma; 4% Paraformaldehyde-fixed and paraffinembedded; 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∩ 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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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.



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 AntiEGFRvIII antibody (bs-2558R), dilution: 3µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC,Dilution: 1µg /test.

### - 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
- [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