
EGFRvIII Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250632

Unit: 0.1 mg

Description:

*****INDEFINITE BACKORDER***** Epidermal growth factor receptor (EGFR) is a receptor for EGF and for various members of the EGF family such as TGF- α , amphiregulin, betacellulin, heparin-binding EGF-like growth factor, GP30 and vaccinia virus growth factor. EGFR is involved in the control of cell growth and differentiation. Binding of EGF to the receptor leads to dimerization, internalization of the EGF-receptor complex, induction of the tyrosine kinase activity, stimulation of cell DNA synthesis and cell proliferation. EGFRvIII has an 801-bp in-frame deletion resulting in a shorter extracellular domain (aa 6-273 are deleted) with generation of a glycine residue at the fusion point. EGFRvIII is tumor specific and is not expressed in normal human tissues. Defects in EGFR are associated with lung cancer.

Isotype: Rabbit Ig

Applications: E, WB

Species Reactivity: H

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Epidermal growth factor receptor; receptor tyrosine-protein kinase ErbB-1; EGFR; ERBB1; EGFRvIII; EGFR variant III

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human EGFRvIII.

Application Notes: Product Cat. No. 250632 detects in western blot a 70-kDa band corresponding to truncated EGFR. E: 1:500-1:1,000; WB: 1:200-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

Product Citations: Gercel-Taylor C et al. 2012. Elsevier. Analytical Biochemistry. 428(1):44-53. PMID# 22691960.

For research use only, not for diagnostic or therapeutic procedures.