

## EGFR (vIII)

**Catalog Number:** 26176

**Gene Symbol:** EGFR/HER1/ERBB1

**Description:** Anti-EGFR (vIII) Mouse Monoclonal Antibody

**Background:** B-Raf is a member of the Raf family of Ser/Thr protein kinases. It functions downstream of Ras to regulate the MAP kinase signaling pathway. Mutations in the BRAF gene cause diseases. Inherited mutations in BRAF cause cardiofaciocutaneous syndrome. Acquired mutations in BRAF have been found in cancers

**Immunogen:** A synthetic peptide from the internal region of EGFR, which includes the mutation of vIII, human origin.

**Tested Applications:** ELISA, WB, IF, IHC

**Recommended Dilutions:**

ELISA: 1:1000-1:5000

WB: 1:500-1:1000

IF: 1:50-1:100

IHC: 1:25-1:100

**Concentration:** 1 mg/ml

**Host:** Mouse

**Clonality:** Monoclonal

**Isotype:** IgG

**Purity:** Purified from ascites

**Format:** Liquid

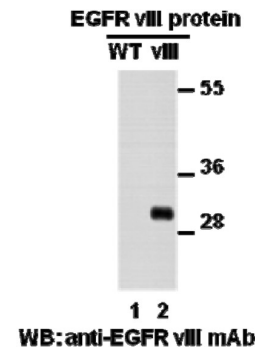
**Preservative:** No

**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH7.4, 150 mM NaCl, 50% glycerol

**Species Reactivity:** Recognizes EGFR (vIII), but not wild type EGFR from vertebrates.

**Storage Conditions:** Store at -20°C. Avoid repeated freezing and thawing

**Western blot:**

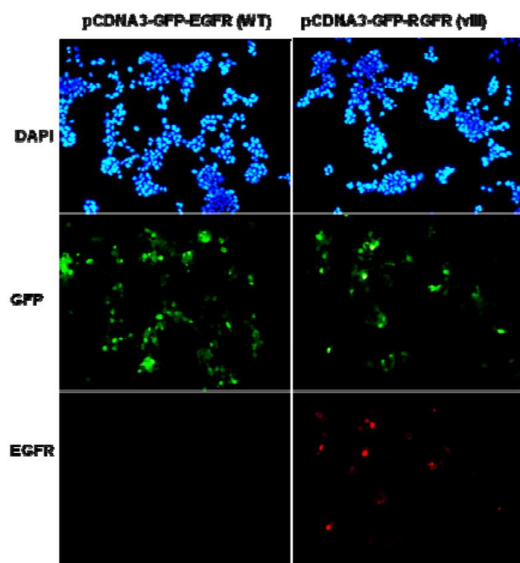


**Western blot analysis of recombinant EGFR (vIII) and wild type proteins.**

Purified His-tagged EGFR (vIII) protein (lane 2) and corresponding wild type protein (lane 1) were blotted with anti-EGFR (vIII) mouse monoclonal antibody (Cat. # 26176).

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**Immunofluorescence:**



**Immunofluorescence of cells expressing EGFR proteins with anti-EGFR (vIII) antibody.**

HEK293T cells were transfected with pCDNA3-GFP-EGFR (WT) plasmid (left column) or pCDNA3-GFP-EGFR (vIII) plasmid (right column), then fixed and stained with anti-EGFR (vIII) monoclonal antibody (Cat. # 26176).

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