

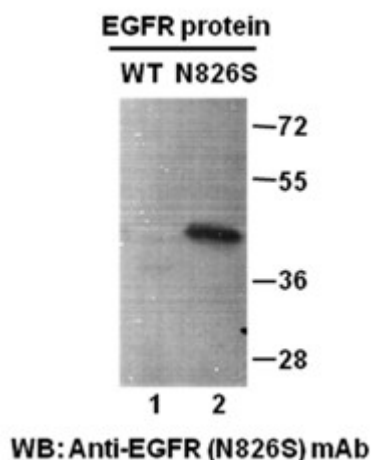
EGFR(N826S)**EGFR(N826S)****Cat. #:** 26116**Gene Symbol:** EGFR/Her1/Neu**Description:** Anti-EGFR(N826S) Mouse Monoclonal Antibody**Background:** EGFR is a receptor tyrosine kinase binding ligands of the EGF family and activating several signaling cascades to convert extracellular cues into appropriate cellular responses. It activates at least 4 major downstream signaling cascades including the RAS-RAF-MEK-ERK, PI3 kinase-AKT, PLCgamma-PKC and STATs modules. Defects in EGFR are associated with lung cancer (LNCr).**Immunogen:** A synthetic peptide from the internal region of EGFR which includes the mutation of N826S, human origin.**Applications:** ELISA, WB, IF, IHC**Recommended Dilutions:**

ELISA: 1:1000-1:5000

WB: 1:500-1:2000

IHC: 1:50-1:100

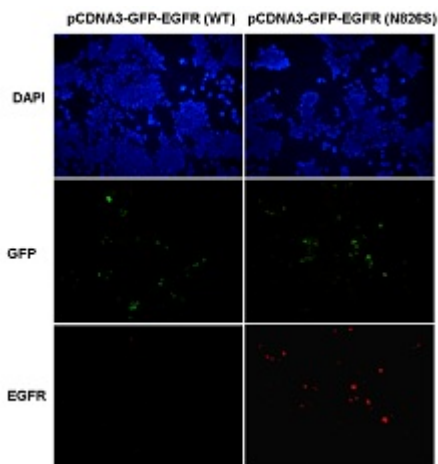
Concentration: 1 mg/ml**Host Species:** Mouse**Format:** Liquid**Clonality:** Monoclonal**Isotype:****Purity:** Purified from ascites**Preservative:** No**Constituents:** PBS (without Mg^{2+} and Ca^{2+}), pH 7.4, 150 mM NaCl, 50% glycerol**Species Reactivity:** Recognizes EGFR(N826S), but not wild type EGFR protein from vertebrates.**Storage Conditions:** Store at $-20^{\circ}C$. Avoid repeated freezing and thawing.**Western blot:**



Western blot analysis of recombinant EGFR(N826S) and wild type proteins.

Purified His-tagged EGFR(N826S) protein (702-987) (Cat. #10221) and corresponding wild type protein (702-987) (Cat. #10210) were blotted with anti-EGFR (N826S) mouse antibody (Cat. #26116).

Immunofluorescence:



Immunofluorescence of cells expressing EGFR proteins with Anti-EGFR(N826S) antibody.

HEK293T cells were transfected with pCDNA3-GFP-EGFR (WT) plasmid (left column) or pCDNA3-GFP-EGFR(N826S) plasmid (right column), then fixed and stained with anti-EGFR(N826S) monoclonal antibody (Cat. #26116).