

## 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<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 50% glycerol

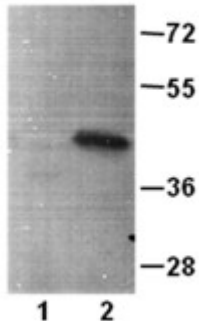
**Species Reactivity:** Recognizes EGFR(N826S), but not wild type EGFR protein from vertebrates.

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

### Western blot:

## EGFR protein

WT N826S

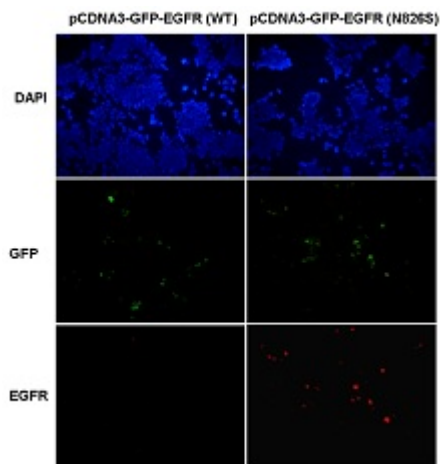


WB: Anti-EGFR (N826S) mAb

### 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).