

## EGFR (N826S)

**Catalog Number:** 26116

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

**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.

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

**Recommended dilutions:**

ELISA: 1:1000-1:5000

WB: 1:500-1:1000

IHC: 1:50-1:100

**Concentration:** 1 mg/ml

**Host:** Mouse

**Clonality:** Monoclonal

**Purity:** Purified from ascites

**Format:** Liquid

**Storage buffer:**

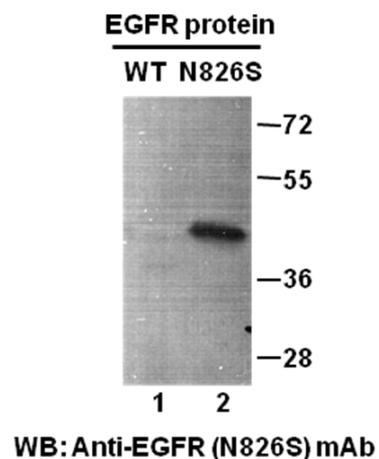
Preservative: no

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.

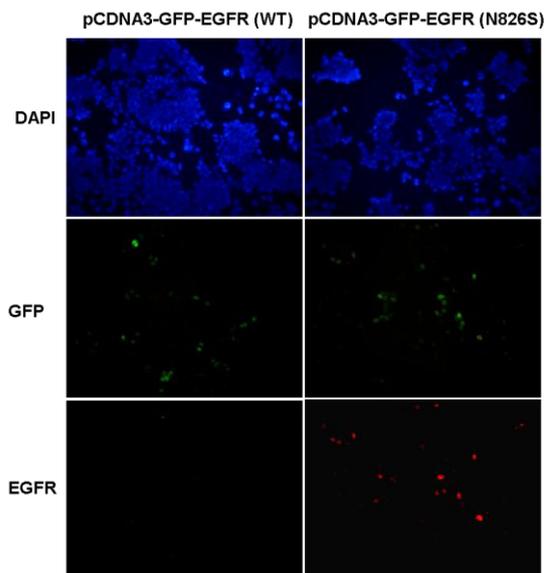
**Storage Conditions:** Store at  $-20^{\circ}C$ . Avoid freeze / thaw cycles.

**Western blot:**



**Western blot analysis of recombinant EGFR(N826S) and wildtype 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).