

## EGFR (L861Q)

**Catalog Number:** 26077

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

**Description:** Anti-EGFR (L861Q) 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 L861Q, human origin.

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

**Recommended dilutions:**

ELISA: 1:1000-1:5000

WB: 1:1000-1:5000

IHC: 1:50-1:200

**Concentration:** 1 mg/ml

**Host:** Mouse

**Clonality:** Monoclonal

**Purity:** Purified from ascites

**Format:** Liquid

**Storage buffer:**

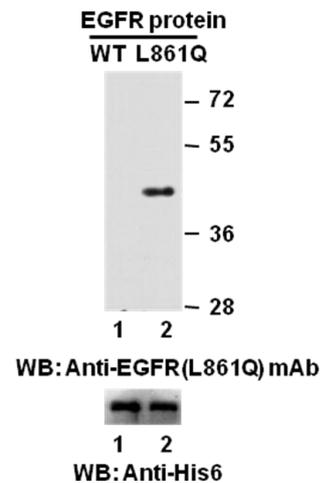
Preservative: no

Constituents: PBS (without  $Mg^{2+}$  and  $Ca^{2+}$ ), pH 7.4, 150 mM NaCl, 50% glycerol

**Species Reactivity:** recognizes EGFR (L861Q), but not wild type EGFR from vertebrates.

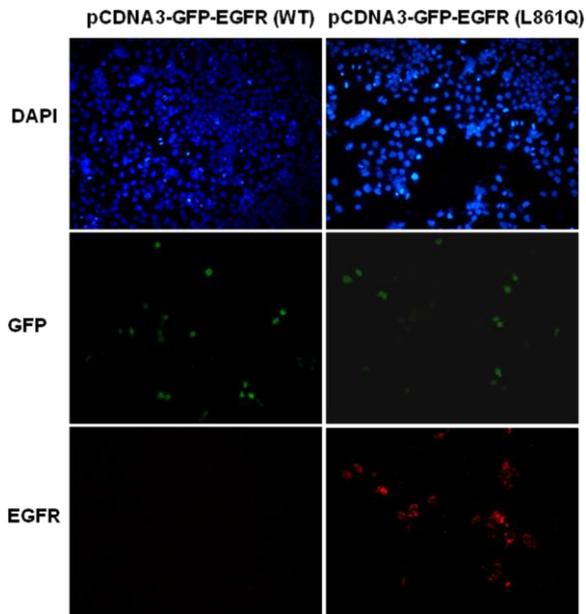
**Storage Conditions:** Store at  $-20^{\circ}C$ . Avoid freeze / thaw cycles.

### Western blot:



**Western blot analysis of recombinant EGFR (L861Q) and wildtype proteins.** Purified His-tagged EGFR (L861Q) protein (amino acids 702-987, lane 2, Cat. #10211) and corresponding wild type protein (lane 1, Cat. #10210) were blotted with anti-EGFR (L861Q) mouse monoclonal antibody (Cat. #26077). Proteins loading (bottom) were blotted with anti-His-tag monoclonal antibody (Cat. #28004).

### Immunofluorescence:



**Immunofluorescence of cells expressing EGFR proteins with anti-EGFR (L861Q) antibody.**

HEK293T cells were transfected with pCDNA3-GFP-EGFR (WT) plasmid (left column) or pCDNA3-GFP-EGFR (L861Q) plasmid (right column), then fixed and stained with anti-EGFR (L861Q) monoclonal antibody (Cat. #26077).