

## EGFR(L858R)

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货号: 26082

基因符号: EGFR/HER1/ERBB1

描述: EGFR(L858R) 小鼠单克隆抗体

背景: 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, PLC gamma-PKC and STATs modules. Defects in EGFR are associated with lung cancer (LNCR).

免疫原: A synthetic peptide from the internal region of EGFR which includes the mutation of L858R, human origin.

经过测试的应用: ELISA, WB, IF, IHC

推荐稀释度:

ELISA: 1:1000-1:5000

WB: 1:1000-1:5000

IHC: 1:50-1:100

浓度: 1 mg/ml

种属反应性: Mouse

形式: Liquid

克隆性: Monoclonal

亚型: IgG1

纯化: Purified from ascites

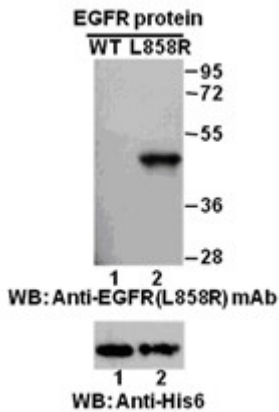
**Preservative:** No

成分: PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 50% glycerol

种属反应性: Recognizes EGFR(L858R), but not wild type EGFR from vertebrates.

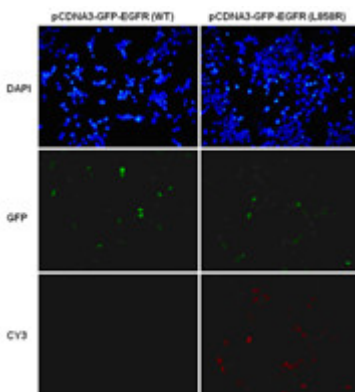
储存条件: Store at -20°C. Avoid repeated freezing and thawing.

### Western blot:



Western blot analysis of recombinant EGFR(L858R) and wild type proteins. Purified His-tagged EGFR(L858R) protein (amino acid 702-987, lane 2, 货号 10230) and corresponding wild type protein (amino acid 702-987, lane 1, 货号 10210) were blotted with anti EGFR(L858R) mouse monoclonal antibody (货号 26082). Proteins loading (bottom) were blotted with His-tag monoclonal antibody (货号 28004).

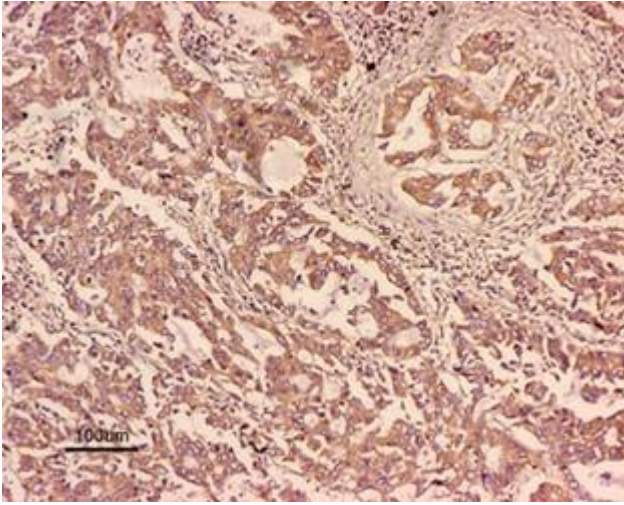
## Immunofluorescence:



## Immunofluorescence of cells expressing EGFR proteins with anti EGFR(L858R) antibody.

HEK293T cells were transfected with pCDNA3-GFP-EGFR (WT) plasmid (left column) or pCDNA3-GFP-EGFR L858R) plasmid (right column), then fixed and stained with EGFR(L858R) monoclonal antibody (货号 26082).

## Immunohistochemistry:



**Immunohistochemical analysis of paraffin-embedded human NSCLC tissue with EGFR(L858R) monoclonal antibody (货号26082).**

Tissue samples were fixed with formaldehyde and blocked with 1% serum for 15 min at 37 °C. Antigen retrieval was by heat mediation in citrate buffer (pH6). Samples were then incubated with primary antibody (1:400) overnight at 4°C. A HRP-conjugated Goat mouse IgG (dilution 1:100) was used as secondary antibody.