

# EGFR (L858R) Rabbit mAb

Catalog No.: A5031 **Recombinant**

## Basic Information

### Observed MW

175kDa

### Calculated MW

134kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P

### Cross-Reactivity

Human, Mouse

### CloneNo number

ARC1139

## Background

The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor, thus inducing receptor dimerization and tyrosine autophosphorylation leading to cell proliferation. Mutations in this gene are associated with lung cancer. EGFR is a component of the cytokine storm which contributes to a severe form of Coronavirus Disease 2019 (COVID-19) resulting from infection with severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2).

## Recommended Dilutions

**WB** 1:500 - 1:2000

**IHC-P** 1:50 - 1:200

## Immunogen Information

### Gene ID

1956

### Swiss Prot

P00533

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 800-900 of human EGFR (L858R) (P00533).

### Synonyms

ERBB; ERRP; HER1; mENA; ERBB1; PIG61; NISBD2; EGFR (L858R)

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

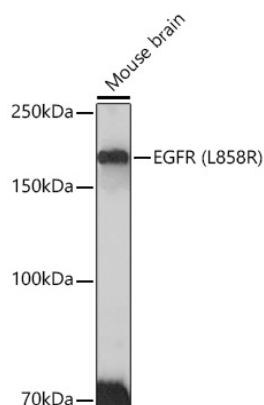
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of lysates from Mouse brain, using EGFR (L858R) Rabbit mAb (A5031) at 1:500 dilution.

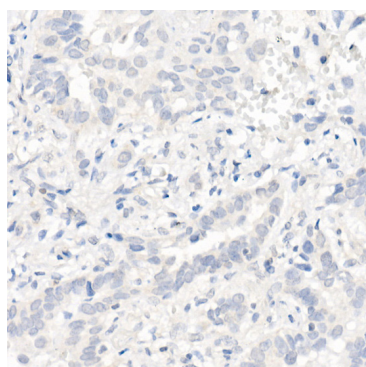
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

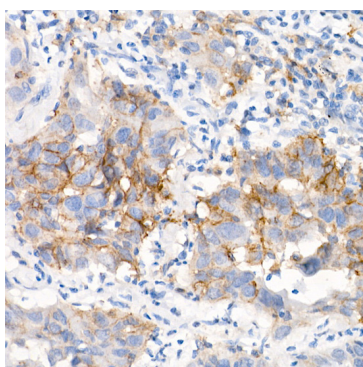
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021).

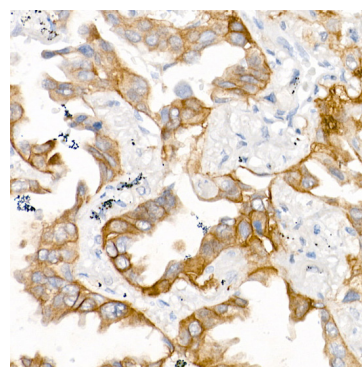
Exposure time: 3min.



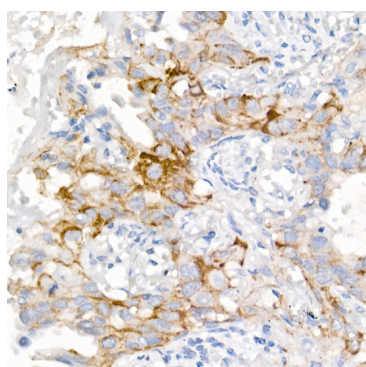
Immunohistochemistry analysis of paraffin-embedded Human lung adenocarcinoma (egfr-e745-a750del positive sample) using EGFR (L858R) Rabbit mAb (A5031) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded Human lung adenocarcinoma (egfr-l858r positive sample) using EGFR (L858R) Rabbit mAb (A5031) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded Human lung adenocarcinoma (egfr-l858r positive sample) using EGFR (L858R) Rabbit mAb (A5031) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded Human lung adenocarcinoma (egfr-l858r positive sample) using EGFR (L858R) Rabbit mAb (A5031) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.