

#M26004

# EGFR Mouse mAb



**Orders** ■ 400-6123-828  
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- 50  $\mu$ l
- 100  $\mu$ l
- 200  $\mu$ l

## DESCRIPTION

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. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. Mutations in this gene are associated with lung cancer. Multiple alternatively spliced transcript variants that encode different protein isoforms have been found for this gene.

## SOURCE

This Abmart monoclonal antibody is produced by immunizing mice with a polypeptide (Abmart SEAL mAb technology) corresponding to surface multiepitopes of human EGFR.

## STORAGE

Store at  $-20^{\circ}\text{C}$ , stable for one year from the date of shipment.

## ALIASES

ERBB, ERBB1

## REACTIVITY

*Homo sapiens*

## ISOTYPE

Mouse IgG

## PREDICTED MOLECULAR WEIGHT

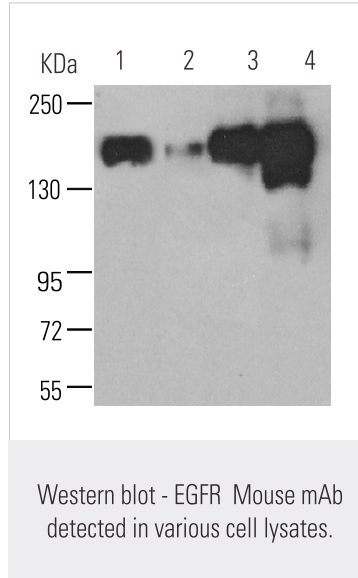
134 KDa

## RECOMMEND ANTIBODY DILUTIONS

Western blotting 1:1000-1:5000

**\*For Western blots, incubate membrane with diluted antibody in 5% w/v nonfat dry milk, 1X TBS, 0.05% Tween-20 at  $4^{\circ}\text{C}$  with gentle shaking overnight.**

## APPLICATION DATA



**All lanes :** EGFR Mouse mAb detected in various cell lysates

**Lane 1 -4:** A431,A549,HepG2,COS-7

Primary antibody:1:1000

## Secondary

Goat Anti-Mouse IgG-HRP, 5% milk conjugated at 1/10000 dilution

**Predicted band size :** 134 KDa

**Observed band size :** 175 KDa

Blocking/Dilution buffer : 1 $\times$  TBST.

## COMPANION PRODUCTS

#M21001 Goat-anti-Mouse IgG-HRP

#M20001 His-Tag mAb

#M20002 Myc-Tag mAb

#M20003 HA-Tag mAb

#M20018 Anti-DYKDDDDK-Tag mAb (Agarose conjugated)

**Applications Key:** WB—Western blot, IP—Immunoprecipitation, IHC—Immunohistochemistry, ChIP—Chromatin Immunoprecipitation, IF—Immunofluorescence

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For *in vitro* research use only and not intended for use in humans or animals.