
EGFR Mouse mAb

Catalog Number: bsm-33050M

Target Protein: EGFR

Concentration: 1mg/ml

Form: Size : 50ul/100ul/200ul

Liquid

Size : 200ug (PBS only)

Lyophilized

Note: Centrifuge tubes before opening. Reconstitute the lyophilized product in distilled water. Optimal concentration should be determined by the end user.

Host: Mouse

Clonality: Monoclonal

Clone No.: 13B2

Isotype: IgG1

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human (predicted: Sheep, Cow, Dog)

Predicted MW: 130 kDa

Entrez Gene: 1956

Swiss Prot: P00533

Purification: affinity purified by Protein G

Storage: Size : 50ul/100ul/200ul

0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

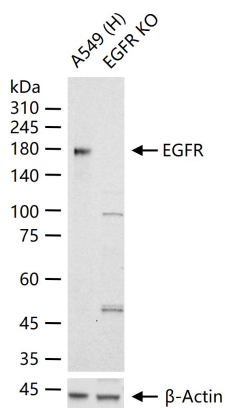
Size : 200ug (PBS only)

0.01M PBS

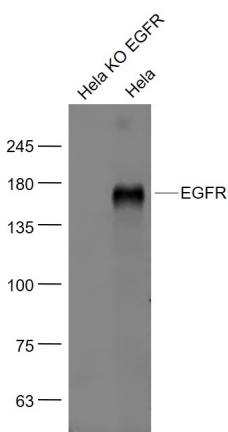
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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. 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. [provided by RefSeq, Jul 2010]

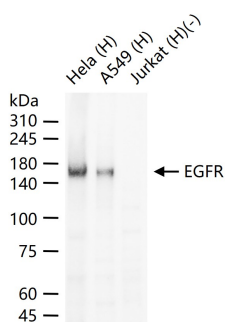
VALIDATION IMAGES



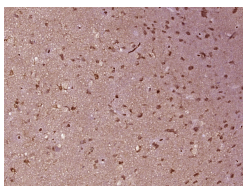
25 ug total protein per lane of various lysates (see on figure) probed with EGFR monoclonal antibody, unconjugated (bsm-33050M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Sample: HeLa KO EGFR(Human) Cell Lysate at 30 ug HeLa(Human) Cell Lysate at 30 ug Primary: Anti-EGFR (bsm-33050M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 130 kD Observed band size: 170 kD



25 ug total protein per lane of various lysates (see on figure) probed with EGFR monoclonal antibody, unconjugated (bsm-33050M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded (Human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (EGFR) Monoclonal Antibody, Unconjugated (bs-33050M 13B2) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Mouse) (sp-0024) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=3.2] Zeliu Huang. et al. Blocking β 2-AR and Inhibiting COX-2: A Promising Approach to Suppress OSCC Development. INT DENT J. 2024 Jul;; IHC ; Mouse . 39043526

[IF=1.13] Dapeng Yang. et al. The histologic comparison of submandibular gland between yak and yellow cattle. ANAT HISTOL EMBRYOL. 2023 Apr;; IF ; Bovine . 37089018