bsm-33050M **[Primary Antibody]**

EGFR Mouse mAb

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DATASHEET

Host: Mouse
Isotype: IgG1
Clonality: Monoclonal
CloneNo.: 13B2
GeneID: 1956
SWISS: P00533
Target: EGFR
Purification: affinity purified by Protein G
Concentration: 1mg/ml
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]

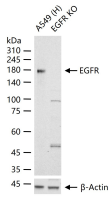
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

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

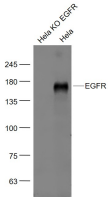
Predicted MW.: 130 kDa

Subcellular Location: Secreted ,Cell membrane ,Cytoplasm ,Nucleus

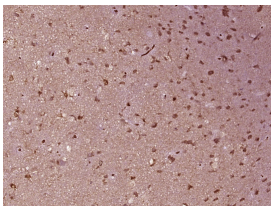
VALIDATION IMAGES



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



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) instructionsand DAB staining.

SELECTED CITATIONS

- **[IF=3.2]** Zeliu Huang. et al. Blocking β2-AR and Inhibiting COX-2: A Promising Approach to Suppress OSCC Development. INT DENT J. 2024 Jul;: IHC ;Mouse. 39043526
- **[IF=3.2]** Zeliu Huang. et al.Blocking β2-AR and Inhibiting COX-2: A Promising Approach to Suppress OSCC Development..INTERNATIONAL DENTAL JOURNAL.2025 Apr;75(2):807-816. 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