bs-34018R **[Primary Antibody]**

EGFR Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 1956 **SWISS:** P00533

Target: EGFR

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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

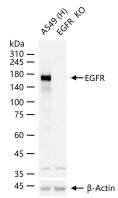
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: Human, Mouse, Rat

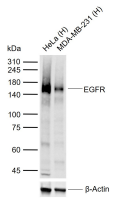
Predicted MW.: 175 kDa

Subcellular Location: Secreted ,Cell membrane ,Cytoplasm ,Nucleus

VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with EGFR polyclonal antibody, unconjugated (bs-34018R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Sample: Lane 1: Human HeLa cell lysates Lane 2: Human MDA-MB-231 cell lysates Primary: Anti-EGFR (bs-34018R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 175 kDa Observed band size: 170 kDa

SELECTED CITATIONS

- **[IF=5.173]** Chao Chen. et al. miR-4443/MMP2 suppresses the migration and invasion of trophoblasts through the HB-EGF/EGFR pathway in preeclampsia. CELL CYCLE. 2022 Jul 28 WB ;Human. 35899982
- **[IF=4]** Li-Mei Wang. et al. In Vivo and In Vitro Study on the Mechanism of Anticervical Cancer Effects of Corilagin in Mice. J FOOD BIOCHEM. 2024;2024:4822900 WB ;Mouse. 10.1155/2024/4822900