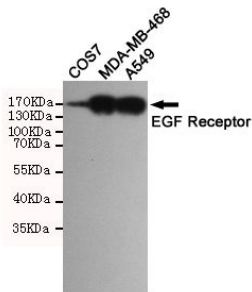




EGFR

Mouse monoclonal Antibody

#53615

Catalog Number: 53615**Amount:** 100µg/100µl**Swiss-Prot No. :** P00533**Gene name:** egfr**Gene id:** 1956**Clone Number:** 5E10-G10-E11**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human EGFR protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of EGFR and does not cross-react with related proteins**Reactivity:** Human, Monkey**Applications:** Predicted MW: 175kd WB: 1:1000 ICC/IP:1:200

Western blot detection of EGFR in A549, MDA-MB-468 and COS7 cell lysates using EGFR mouse mAb (dilution 1:1000). Predicted band size: 134 Kda. Observed band size: 175KDa.

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.