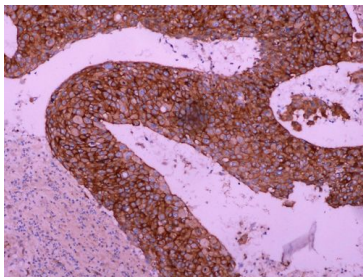




EGFR

Mouse monoclonal Antibody

#53614

**Catalog Number:** 53614**Amount:** 100µg/100µl**Swiss-Prot No. :** P00533**Gene name:** egfr**Gene id:** 1956**Clone Number:** 3F12-1H7-A10**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**Applications:** Predicted MW: 175kd WB: 1:1000 ICC:1:200 IHC:1:800

Immunohistochemical analysis of paraffin-embedded Lung carcinoma using EGF Receptor (3F12) mouse mAb(1/800 dilution) at the Roche Benchmark XT system.

**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.