

EGFR (1A11) Mouse mAb

db6225

Package : 50µL 100µL

Product Name : EGFR (1A11) Mouse mAb**Cat.No.:** db6225**Synonyms** : ERBB;HER1;mENA;ERBB1;PIG61**Application** : WB, IP**Reactivity** : Human**Host species** : Mouse**Background**

Receptor tyrosine kinase binding ligands of the EGF family and activating several signaling cascades to convert extracellular cues into appropriate cellular responses. Known ligands include EGF, TGFA/TGF-alpha, amphiregulin, epigen/EPGN, BTC/betacellulin, epiregulin/EREG and HBEGF/heparin-binding EGF. Ligand binding triggers receptor homo- and/or heterodimerization and autophosphorylation on key cytoplasmic residues. The phosphorylated receptor recruits adapter proteins like GRB2 which in turn activates complex downstream signaling cascades. Activates at least 4 major downstream signaling cascades including the RAS-RAF-MEK-ERK, PI3 kinase-AKT, PLCgamma-PKC and STATs modules. May also activate the NF-kappa-B signaling cascade. Also directly phosphorylates other proteins like RGS16, activating its GTPase activity and probably coupling the EGF receptor signaling to the G protein-coupled receptor signaling. Also phosphorylates MUC1 and increases its interaction with SRC and CTNNB1/beta-catenin.

Immunogen

Purified recombinant human EGFR protein fragments expressed in E.coli

Gene ID

1956

Swiss Prot

P00533

Synonyms

ERBB;HER1;mENA;ERBB1;PIG61

Reactivity

Human

Application

WB, IP

Recommended dilutionWB: 1:500-1:1000
IP: 1:20**Calculated MW**

134 kDa

Observed MW

175 kDa

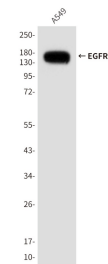
Host species

Mouse

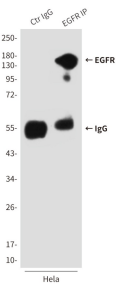
Clonality

Monoclonal

Clonality No.	1A11-G9-1E9
Isotype	IgG1
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



Western blot analysis of EGFR in A549 lysates using EGFR antibody.



Immunoprecipitation analysis of EGFR (1A11) in HeLa lysates using EGFR antibody.