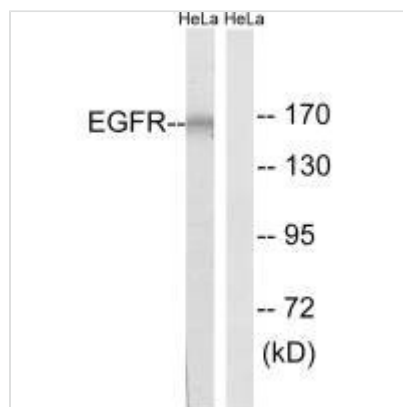


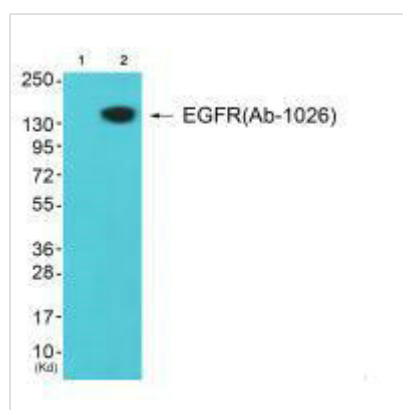


EGFR (Ab-1026) Antibody

Product Code	CSB-PA079221
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P00533
Immunogen	Synthesized peptide derived from Internal of Human EGFR.
Raised In	Rabbit
Species Reactivity	Human
Specificity	The antibody detects endogenous levels of total EGFR protein.
Tested Applications	ELISA,WB;WB:1:500-1:3000
Relevance	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. Isoform 2 may act as an antagonist of EGF action. Ullrich A., Nature 309:418-425(1984). Ilekis J.V., Mol. Reprod. Dev. 41:149-156(1995). Reiter J.L. Nucleic Acids Res. 24:4050-4056(1996)
Form	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Alias	EC 2.7.10.1; epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog; avian); Epidermal growth factor receptor precursor; ERBB1
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	EGFR
Image	



Western blot analysis of extracts from HUVEC cells, using EGFR (Ab-1026) antibody.



Western blot analysis of extracts from A549 cells (Lane 2) and HeLa cells (Lane 3), using EGFR (Ab-1026) antibody. The lane on the left is treated with synthesized peptide.