

Mouse anti-Human EGF Receptor Monoclonal Antibody | anti-EGFR antibody

EGF Receptor Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290500	Mouse	Human	Immunoprecipitation, Immunocytochemistry, Western Blot

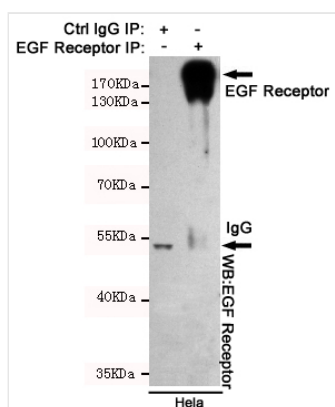
PRODUCT SYNONYMS

EGF Receptor; Monoclonal Antibody; EGF Receptor Antibody; Purified Mouse Monoclonal Antibody (Mab); Avian erythroblastic leukemia viral (v erb b) oncogene homolog; Cell growth inhibiting protein 40; Cell proliferation inducing protein 61; EGF R; EGFR; EGFR_HUMAN; Epidermal growth factor receptor (avian erythroblastic leukemia viral (v erb b) oncogene homolog); Epidermal growth factor receptor (erythroblastic leukemia viral (v erb b) oncogene homolog avian); Epidermal growth factor receptor; erbb 1; Erbb; Erbb1; ERBB1; Errp; HER1; mENA; Oncogene ERBB; PIG61; Proto-oncogene c-ErbB-1; Receptor tyrosine protein kinase ErbB 1; Receptor tyrosine-protein kinase ErbB-1; Urogastrone; wa2; Wa5; anti-EGFR antibody

PRODUCT SPECIFICATIONS

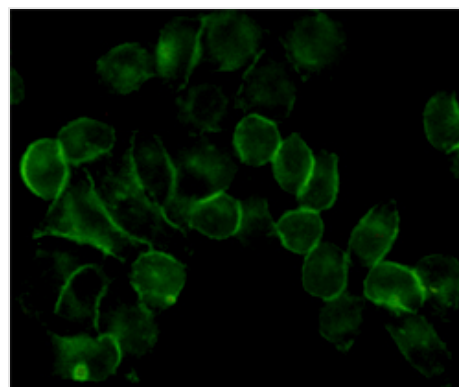
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Form/Format	Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.02% sodium azide and 50% glycerol.
Sequence Length	1210
Applicable Applications for anti-EGFR antibody	IP (Immunoprecipitation), ICC (Immunocytochemistry), WB (Western Blot)
Antigen Source	Human
Antigen Type	Recombinant Protein
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



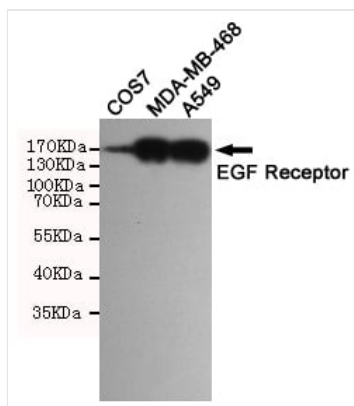
IP (Immunoprecipitation)

Immunoprecipitation analysis of HeLa cell lysates using EGFR mouse mAb.



ICC (Immunocytochemistry)

Immunocytochemistry staining of HeLa cells using EGFR mouse mAb (dilution 1:200).



WB (Western Blot)

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.

ADDITIONAL INFORMATION

Related Product Information for anti-EGFR antibody	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.
Product Categories/Family for anti-EGFR antibody	Cancer; Signal Transduction
References	Ullrich A.,et al.Nature 309:418-425(1984). Ilekis J.V.,et al.Mol. Reprod. Dev. 41:149-156(1995). Reiter J.L.,et al.Nucleic Acids Res. 24:4050-4056(1996). Ilekis J.V.,et al.Gynecol. Oncol. 65:36-41(1997). Reiter J.L.,et al.Genomics 71:1-20(2001).

NCBI AND UNIPROT INFORMATION

NCBI GI #	29725609
NCBI GeneID	1956
NCBI Accession #	NP_005219.2
NCBI GenBank Nucleotide #	NM_005228.3
UniProt Accession #	P00533; O00688; O00732; P06268; Q14225; Q68GS5; Q92795; Q9BZS2; Q9GZX1; Q9H2C9; Q9H3C9; Q9UMD7
Molecular Weight	134277
NCBI Official Full Name	epidermal growth factor receptor isoform a
NCBI Official Synonym Full Names	epidermal growth factor receptor
NCBI Official Symbol	EGFR
NCBI Official Synonym Symbols	ERBB; HER1; mENA; ERBB1; PIG61; NISBD2
NCBI Protein Information	epidermal growth factor receptor
UniProt Protein Name	Epidermal growth factor receptor
UniProt Gene Name	EGFR

UniProt Synonym Gene Names	ERBB; ERBB1; HER1
UniProt Entry Name	EGFR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/egf-receptor-antibody-immunoprecipitation-immunocytochemistry-western-blot-elisa/290500>