

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

EGFR Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA276827	Mouse	Human	Immunoprecipitation, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

EGFR; Monoclonal Antibody; EGFR Mouse mAb; Epidermal Growth Factor Receptor ;ErbB-1; ErbB1; ER1; ERB-B1; MENA; HER1; Erythroblastic Leukemia Viral(v-Erb-B)oncogene Homolog;Avian; Proto-oncogene c-ErbB-1; Receptor tyrosine-protein kinase erbB-1; anti-EGFR antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Form/Format	PBS with 0.02% sodium azide and 50% glycerol pH7.4.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-EGFR antibody	IP (Immunoprecipitation), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Synthetic Peptide
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



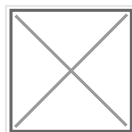
IF (Immunofluorescence)

IF analysis of Hela with EM1134(Left) and DAPI (Right) diluted at 1:100.



Application Data

1. Input: Hela Cell Lysate 2. IP product: IP dilute 1:200 Western blot analysis: primary antibody : EM1134 1:1,000 Secondary antibody: Goat anti-Mouse IgG, Heavy Chain Specific(S003), 1:5,000



WB (Western Blot)

Western blot analysis of 1) A431, 2) Hela, with EM1134 diluted at 1:2,000.

ADDITIONAL INFORMATION

Related Product Information for anti-EGFR antibody	The epidermal growth factor receptor (EGFR; ErbB-1; HER1 in humans) is the cell-surface receptor for members of the epidermal growth factor family (EGF-family) of extracellular protein ligands. 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.
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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	134,277 Da
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
NCBI Protein Information	epidermal growth factor receptor; proto-oncogene c-ErbB-1; cell growth inhibiting protein 40; cell proliferation-inducing protein 61; receptor tyrosine-protein kinase erbB-1; avian erythroblastic leukemia viral (v-erb-b) oncogene homolog
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/egfr-antibody-immunoprecipitation-immunofluorescence-immunohistochemistry-western-blot-elisa/276827>