

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

EGFR antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48086	Mouse	Human	Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

EGFR; Monoclonal Antibody; EGFR antibody; ERBB; ERBB1; Epidermal growth factor receptor; HER1; PIG61; epidermal growth factor receptor; Urogastrone; Proto-oncogene c-ErbB-1; Oncogene ERBB; Cell proliferation inducing protein 61; Cell growth inhibiting protein 40; Avian erythroblastic leukemia viral (verbb) oncogene homolog; anti-EGFR antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	AT2H8
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1210
Applicable Applications for anti-EGFR antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human EGFR (424-605aa) purified from E. coli
Clone Note	Anti-human EGFR mAb, clone AT6E3, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human EGFR protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence of HaCaT cells stained with Hoechst 3342 (Blue) or phalloidin-TRITC for nucleus or actin staining, respectively. monoclonal anti-human EGFR antibody (1:250) was stained with alexa 488 (green).



WB (Western Blot)

The extracts of HaCaT were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human EGFR (1:250). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-EGFR antibody	Epidermal growth factor receptor (EGFR) is a 170 kDa membrane protein first identified as a binding partner of EGF. Also, EGFR phosphorylated itself (autophosphorylation) in response to EGF treatment. The overexpression of EGFR in various epithelial tumors was widely reported and it has been substantiated that deregulation of EGFR itself and its signaling pathways an important role in human cancers.
Product Categories/Family for anti-EGFR antibody	Cancer
References	Cohen S, (1964) Nat Cancer Inst Monogr, 13: 13-27. ; Toyoda H, et al. (1995) J Biol Chem, 270: 7495-500. ; Carpenter G, et al. (1978) Nature,276: 409-10.

NCBI AND UNIPROT INFORMATION

NCBI GI #	29725609
NCBI GeneID	1956
NCBI Accession #	NP_005219
NCBI GenBank Nucleotide #	NM_005228.4
UniProt Accession #	P00533; O00688; O00732; P06268; Q14225; Q68GS5; Q92795; Q9BZS2; Q9GZX1; Q9H2C9; Q9H3C9; Q9UMD7
Molecular Weight	69,228 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; 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

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-clone-at2h8-flow-cytometry-western-blot-elisa/48086>