

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

EGFR

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48295	Mouse	Human	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

EGFR; Monoclonal 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; Cellgrowth inhibiting protein 40; Avian erythroblastic leukemia viral (verbb) oncogene homolog; anti-EGFR antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b kappa
Clone Number	AT2H8
Purity/Purification	By protein-A 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	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human EGFR (424-605aa) purified from E. coli
Conjugation	Unconjugated
Product Note	This product was produced from tissue culture supernatant.
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

IMAGES



WB (Western Blot)

The cell lysate (40ug) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human EGFR antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.;Lane 1.: A431 cell lysate;;



ICC (Immunocytochemistry)

ICC/IF analysis of EGFR in HeLa cells. The cell was stained (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-EGFR antibody	Epidermal growth factor receptor (EGFR) is a 170 kDa membrane protein first identified as a bindingpartner of EGF. Also, EGFR phosphorylated itself (autophosphorylation) in response to EGF treatment. Theoverexpression of EGFR in various epithelial tumors was widely reported and it has been substantiated thatderegulation of EGFR itself and its signaling pathways an important role in human cancers.
Product Categories/Family for anti-EGFR antibody	Cancer; Epigenetics and Nuclear Signaling; Immunology; Lysates; Other; Signal Transduction
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_005219.2
NCBI GenBank Nucleotide #	NP_005219.2
UniProt Accession #	P00533
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/egfr-antibody-clone-at2h8-immunofluorescence-immunocytochemistry-western-blot-elisa/48295>