

Rabbit anti-Human EGFR Polyclonal Antibody | anti-EGFR antibody

Anti-EGFR Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA259480	Rabbit	Human	Immunocytochemistry, Immunohistochemistry, ELISA, Western Blot

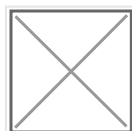
PRODUCT SYNONYMS

EGFR; Polyclonal Antibody; Anti-EGFR Antibody; Rabbit Polyclonal; EGFR Antibody; Rabbit PAb; Antigen Affinity Purified; epidermal growth factor receptor; Anti-ERBB Antibody; Anti-ERBB1 Antibody; Anti-ERRP Antibody; Anti-HER1 Antibody; Anti-mENA Antibody; Anti-NISBD2 Antibody; Anti-PIG61 Antibody; anti-EGFR antibody

PRODUCT SPECIFICATIONS

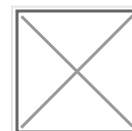
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human EGFR
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-EGFR antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human EGFR Protein (NP_005219; Met1-Lys642). EGFR specific IgG was purified by Human EGFR affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of EGFR-His in HeLa cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-Human EGFR-His polyclonal antibody (dilution ratio 1:100) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cell membrane.

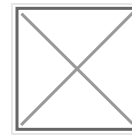


IHC (Immunohistochemistry)

Immunochemical staining of human EGFR in human placenta with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

**IHC (Immunohistochemistry)**

Immunochemical staining of human EGFR in human lung cancer with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

**WB (Western Blot)**

Anti-EGFR rabbit polyclonal antibody at 1:500 dilution Lane A: A431 Whole Cell Lysate Lane B: Hela Whole Cell Lysate Lysates/proteins at 30ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 134 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-EGFR antibody	As a member of the epidermal growth factor receptor (EGFR) family, EGFR protein is type I transmembrane glycoprotein that binds a subset of EGF family ligands including EGF, amphiregulin, TGF-alpha, betacellulin, etc. EGFR protein plays a crucial role in signaling pathway in the regulation of cell proliferation, survival and differentiation. Binding of a ligand induces EGFR protein homo- or heterodimerization, the subsequent tyrosine autophosphorylation and initiates various down stream pathways (MAPK, PI3K/PKB and STAT). In addition, EGFR signaling also has been shown to exert action on carcinogenesis and disease progression, and thus EGFR protein is proposed as a target for cancer therapy currently.
Product Categories/Family for anti-EGFR antibody	EGFR Signaling Pathway ; Cancer Drug Targets Receptor Tyrosine Kinases (RTKs)
References	Schlessinger. J. (2000). Cel. signalin. b. recepto. tyrosin. kinases. Cel. 103(2). 211-25. Giaccone. G. (2005). HER1/EGFR-targete. agents. predictin. th. futur. fo. patient. wit. unpredictabl. outcome. t. therapy. Ann. Oncol. 16(4). 538-48. Yarden. Y.. e. al. (2001). Untanglin. th. Erb. signallin. network. Nat. Rev. Mol. Cell. Biol. 2(2). 127-37.

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
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/polyclonal/egfr-antibody-immunocytochemistry-immunohistochemistry-western-blot-elisa/259480>