

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

EGFR Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288934	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

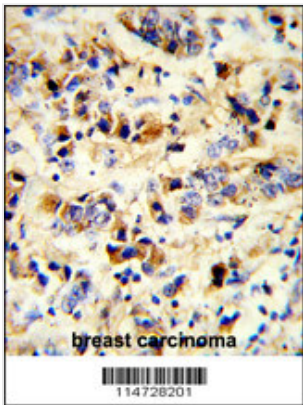
PRODUCT SYNONYMS

EGFR; Polyclonal Antibody; EGFR Antibody; Epidermal growth factor receptor; Proto-oncogene c-ErbB-1; Receptor tyrosine-protein kinase erbB-1; ERBB; ERBB1; HER1; anti-EGFR antibody

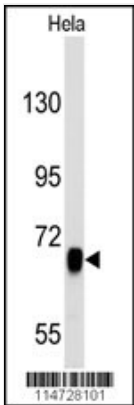
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This EGFR antibody is generated from rabbits immunized with EGFR his fusion protein.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Length	628
Applicable Applications for anti-EGFR antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Recombinant Protein
Antigen Source	HUMAN
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



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human breast carcinoma reacted with EGFR Antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of anti-EGFR Pab in HeLa cell line lysates (35ug/lane). EGFR(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-EGFR antibody	EGFR is a transmembrane glycoprotein that is a member of a family of protein tyrosine kinases crucial in maintaining a normal balance in cell growth and development. A prototype member of the type 1 receptor tyrosine kinases, EGFR is encoded by the cellular oncogene <i>cerbB1</i> . EGFR has an extracellular ligand binding domain, a single transmembrane region, and cytoplasmic domain which is composed of a tyrosine kinase domain and a carboxy terminal domain. The carboxy terminal domain contains at least four tyrosine autophosphorylation sites. Increased production or activation of EGFR has been associated with poor prognosis in a variety of tumors. EGFR overexpression is observed in tumors of the head and neck, brain, bladder, stomach, breast, lung, endometrium, cervix, vulva, ovary, esophagus, stomach and in squamous cell carcinoma.
Product Categories/Family for anti-EGFR antibody	Cancer; Signal Transduction
References	Aifa, S., et al., <i>Exp. Cell Res.</i> 302(1):108-114 (2005). Adams, T.E., et al., <i>Growth Factors</i> 22(2):89-95 (2004). Ichinose, J., et al., <i>Biochem. Biophys. Res. Commun.</i> 324(3):1143-1149 (2004). Kuribayashi, A., et al., <i>Endocrinology</i> 145(11):4976-4984 (2004). Kapoor, G.S., et al., <i>Mol. Cell. Biol.</i> 24(2):823-836 (2004).

NCBI AND UNIPROT INFORMATION

NCBI GI #	29725609
NCBI GeneID	1956
NCBI Accession #	NP_005219.2; NP_958439.1; NP_958440.1; NP_958441.1
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://www.aaabiotech.com/polyclonal/egfr-antibody-immunohistochemistry-western-blot-elisa/288934>