

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

Anti-EGFR Antibody, Rabbit Polyclonal

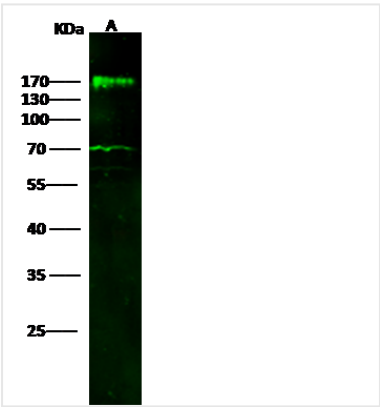
CATALOG # AAA257804	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

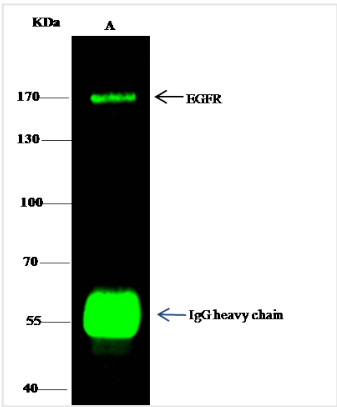
EGFR; Polyclonal Antibody; Anti-EGFR Antibody; Rabbit Polyclonal; EGFR/HER1/ErbB1 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-9030024J15Rik Antibody; Anti-AI552599 Antibody; Anti-ErbB Antibody; Anti-Errb1 Antibody; Anti-Errp Antibody; Anti-wa-2 Antibody; Anti-wa2 Antibody; Anti-Wa5 Antibody; epidermal growth factor receptor; anti-EGFR antibody

PRODUCT SPECIFICATIONS

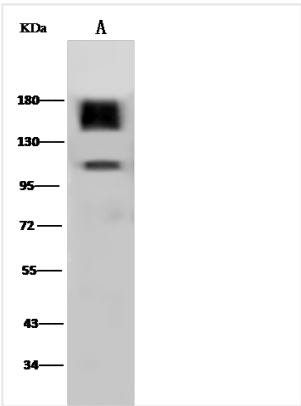
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse EGFR/HER1/ErbB1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid. 0.2um filtered solution in PBS
Applicable Applications for anti-EGFR antibody	ELISA, WB (Western Blot)
Immunogen	Recombinant Mouse EGFR/HER1/ErbB1 Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Mouse EGFR/HER1/ErbB1 (rM EGFR/HER1/ErbB1; Q01279; Met1-Ser647). EGFR/HER1/ErbB1 specific IgG was purified by Mouse EGFR/HER1/ErbB1 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 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.



WB (Western Blot)
Anti-EGFR rabbit polyclonal antibody at 1:500 dilutionLane A: A431 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:170 kDaObserved band size:170 kDa(We are unsure as to the identity of these extra bands.



IP (Immunoprecipitation)
Mouse EGFR was immunoprecipitated using:Lane A:0.5 mg Hela Whole Cell Lysate1 uL anti-Mouse EGFR rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-Mouse EGFR rabbit polyclonal antibody,at 1:350 dilutionSecondary antibody:Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilutionDeveloped using the odssey technique.Performed under reducing conditions.Predicted band size: 170 kDaObserved band size: 170 kDa



WB (Western Blot)
Anti-EGFR rabbit polyclonal antibody at 1:500 dilutionLane A: A431 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.Developed using the ECL technique.Performed under reducing conditions.Predicted band size:134 kDaObserved band size:170 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-EGFR antibody	Background: 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	Cancer Drug Targets Receptor Tyrosine Kinases (RTKs); EGFR Signaling Pathway
References	Schlessinger, J. (2000) Cell signaling by receptor tyrosine kinases. Cell 103(2): 211-25. Giaccone, G. (2005) HER1/EGFR-targeted agents: predicting the future for patients with unpredictable outcomes to therapy. Ann. Oncol. 16(4): 538-48. Yarden, Y., et al. (2001) Untangling the ErbB signalling network. Nat. Rev. Mol. Cell. Biol. 2(2): 127-37.

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.

