

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

[KD Validated] EGFR Rabbit PolymAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283051	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

EGFR; Monoclonal Antibody; [KD Validated] EGFR Rabbit PolymAb; ERBB; ERBB1; HER1; NISBD2; PIG61; mENA; epidermal growth factor receptor; anti-EGFR antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Applicable Applications for anti-EGFR antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Human, Mouse
Immunogen	Recombinant protein of human EGFR.
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of A-431 cells using [KD Validated] EGFR Rabbit PolymAb® (AAA283051) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of lysates from wild type (WT) and EGFR knockdown (KD) HeLa cells, using [KD Validated] EGFR Rabbit PolymAb® (AAA283051) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45s.

ADDITIONAL INFORMATION

Related Product Information for anti-EGFR antibody	The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. Mutations in this gene are associated with lung cancer.
Product Categories/Family for anti-EGFR antibody	Cancer; Tumor biomarkers; Signal Transduction; G protein signaling; Kinase; Tyrosine kinases; Phospholipase Signaling Pathway; ErbB-HER Signaling Pathway; Cell Biology & Developmental Biology; Growth factor; EGF; Immunology & Inflammation; IL-6 Receptor S

NCBI AND UNIPROT INFORMATION

NCBI GI #	29725609
NCBI GeneID	1956
NCBI Accession #	NP_005219.2
NCBI GenBank Nucleotide #	NM_005228.3
UniProt Accession #	P00533; O00688; O00732; P06268; Q14225; Q68GS5; Q92795; Q9BZS2; Q9GZX1; Q9H2C9; Q9H3C9; Q9UMD7
Molecular Weight	Calculated MW: 44kDa/69kDa/77kDa/134kDa Observed MW: 145-175kDa
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/egfr-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/283051>