

EGFR domain III Recombinant Antibody | EGFR recombinant antibody

Anti-EGFR domain III [h-R3 (Nimotuzumab)]

CATALOG # AAA72002	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

EGFR domain III; Monoclonal Recombinant Antibody; Anti-EGFR domain III [h-R3 (Nimotuzumab)]; ERBB; ERBB1; HER1; PIG61; mENA; avian erythroblastic leukemia viral (v-erb-b) oncogene homolog; cell growth inhibiting protein 40; cell proliferation-inducing protein 61; proto-oncogene c-ErbB-1; receptor tyrosine-protein kinase erbB-1; epidermal growth factor; EGFR recombinant antibody

PRODUCT SPECIFICATIONS

Reactivity	Human
Clonality	Monoclonal
Isotype	Human IgG1, Kappa
Clone Number	h-R3
Specificity	Binds to human EGFR domain III at a site distinct from antibody 7A7 (Ab00134) (Talavera et al. 2011)
Purity/Purification	Protein A Affinity Purified
Form/Format	PBS with 0.02% Proclin 300
Concentration	1 mg/ml (varies by lot)
Sequence Length	1210
Applicable Applications for EGFR recombinant antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), Blocking
Immunogen	This antibody we generated by humanisation of the murine antibody R3, raised against EGFR purified from placenta membranes and A431 tumors.
Note	Describes the generation and characterisation of the R3 antibody from which h-R3 was generated by humanisation.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

ADDITIONAL INFORMATION

Related Product Information for EGFR recombinant antibody	Recombinant monoclonal antibody to EGFR domain III. Manufactured using a proprietary Recombinant Platform with variable regions (i.e. specificity) from the therapeutic antibody h-R3 (Nimotuzumab). This antibody we generated by humanisation of the murine antibody R3, raised against EGFR purified from placenta membranes and A431 tumors.
Product Categories/Family for EGFR recombinant antibody	Cancer; Biosimilar
References	Fernandez et al. A new monoclonal antibody for detection of EGF-receptors in western blots and paraffin-embedded tissue sections. J Cell Biochem. 1992 Jun; 49(2):157-65. PMID:1400622

NCBI AND UNIPROT INFORMATION

NCBI GI #	29725609
NCBI GeneID	1956

NCBI Accession #	NP_005219.2
NCBI GenBank Nucleotide #	NM_005228.5
UniProt Accession #	P00533 ; O00688 ; O00732 ; P06268 ; Q14225 ; Q68GS5 ; Q92795 ; Q9BZS2 ; Q9GZX1 ; Q9H2C9 ; Q9H3C9 ; Q9UMD7
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

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-domain-iii-recombinant-antibody-clone-h-r3-immunohistochemistry-flow-cytometry-elisa/72002>