Mouse anti-Horse, Human EGFR Monoclonal Antibody | anti-EGFR antibody

Anti-EGFR Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128511	**Mouse**	**Horse, Human**	**Immunocytochemistry, Immunohistochemistry, Immunoprecipitation, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

EGFR; Monoclonal Antibody; Anti-EGFR Purified; epidermal growth factor receptor; EGFR EGF-R; EGF R; Her1; ERBB1; PIG61; NISBD2; anti-EGFR antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Horse, Human
Clonality	Monoclonal
Isotype	IgG2b kappa
Clone Number	EGFR1
Specificity	The mouse monoclonal antibody EGFR1 reacts with extracellular domain of human protein kinase EGFR (ErbB1 / HER1); epitope within amino acids 6-273.
Purity/Purification	Purified by Protein-A Affinity Chromatography
Form/Format	Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Concentration	1 mg/ml (varies by lot)
Sequence Length	1210
Applicable Applications for anti-EGFR antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), IP (Immunoprecipitation), FCM/FACS (Flow Cytometry)
Immunogen	Human epidermoid carcinoma line A431
Negative Species	Mouse
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for anti-EGFR antibody	The oncoprotein EGFR (epidermal growth factor receptor), also known as HER1 / ErbB1, is a member of ErbB family of cell surface receptor tyrosine kinases. This 170 kDa transmembrane glycoprotein is often associated with cancerogenesis, although its activation state is controlled at various levels including trafficking and degradation steps. Binding of receptor-specific ligands to the EGFR ectodomain results in formation of homodimeric or heterodimeric kinase-active complexes into which HER2 / ErbB2 is recruited as a preferred partner. Subsequent signaling cascades such as RAS/MAPK and PI3K/AKT pathways lead to cell proliferation and survival responses.

NCBI AND UNIPROT INFORMATION

NCBI GI #	29725609
NCBI GeneID	1956
NCBI Accession #	NP_005219.2
NCBI GenBank Nucleotide #	NP_005219.2

UniProt Accession #	P00533
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/monoclonal/egfr-antibody-clone-egfr1-immunocytochemistry-immunohistochemistry-immunoprecipitation-flow-cytometry-elisa/128511