

Rabbit EGFRvIII (Epidermal Growth Factor Receptor, Variant III) Monoclonal Antibody | anti-EGFR antibody

EGFRvIII (Epidermal Growth Factor Receptor, Variant III)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23905	Rabbit	Human. Others not known.	Immunohistochemistry

PRODUCT SYNONYMS

EGFRvIII (Epidermal Growth Factor Receptor; Variant III); Monoclonal Antibody; ErbB1 variant III; ERBB1 variant III; HER1 variant III; Proto-oncogene c-ErbB-1 variant III; Receptor Tyrosine Protein Kinase variant III; ErbB1 variant III; anti-EGFR antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG
Clone Number	GFR/2600R
Specificity	EGFR is type I receptor tyrosine kinase with sequence homology to erbB-1, -2, -3 -4 or HER-1, -2, -3 -4. It binds to Epidermal Growth Factor (EGF), Transforming Growth Factor- α (TGF- α), Heparin-binding EGF (HB-EGF), amphiregulin, betacellulin and epiregulin. EGFR is overexpressed in tumors of breast, brain, bladder, lung, gastric, head & neck, esophagus, cervix, vulva, ovary, and endometrium. It is predominantly present in squamous cell carcinomas.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1mg/ml.
Sequence Length	405
Applicable Applications for anti-EGFR antibody	IHC (Immunohistochemistry)
Application Notes	Immunohistology (Formalin-Fixed): 1-2ug/ml for 30 minutes at RT; Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes.
Immunogen	KLH conjugate of EGFRvIII-specific, 14-amino acid peptide from the predicted amino acid sequence at the fusion junction (LEEKKGNVYVTDHC)
Positive Control	A431 Cells. Placenta, Breast, Colon or Bladder Carcinoma
Cellular Localization	Cell Surface
Chromosome Location	7p11.2
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



SDS-PAGE
SDS-PAGE Analysis Purified EGFRvIII Rabbit Recombinant Monoclonal Antibody (GFR/2600R). Confirmation of Integrity and Purity of Antibody.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Placenta stained with EGFRvIII Rabbit Recombinant Monoclonal Antibody (GFR/2600R).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Placenta stained with EGFRvIII Rabbit Recombinant Monoclonal Antibody (GFR/2600R).

ADDITIONAL INFORMATION

Related Product Information for anti-EGFR antibody	Recombinant Rabbit Monoclonal Antibody
References	Wikstrand CJ, et al. Cancer Res. 1995 Jul 15; 55(14):3140-8.

NCBI AND UNIPROT INFORMATION

NCBI GI #	29725609
NCBI GeneID	1956
NCBI Accession #	NP_005219.2
NCBI GenBank Nucleotide #	NM_005228.4
UniProt Accession #	P00533; O00688; O00732; P06268; Q14225; Q68GS5; Q92795; Q9BZS2; Q9GZX1; Q9H2C9; Q9H3C9; Q9UMD7
Molecular Weight	~145kDa (vIII variant)
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.