

EGFR Antibody (C-term)

Mouse Monoclonal Antibody (Mab)

Catalog # AM2179b

Product Information

Application	IHC-P, WB, E
Primary Accession	P00533
Other Accession	NP_005219.2
Reactivity	Human, Rat, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	688CT33.1.3
Antigen Region	1163-1191

Additional Information

Other Names	Epidermal growth factor receptor, Proto-oncogene c-ErbB-1, Receptor tyrosine-protein kinase erbB-1, EGFR, ERBB, ERBB1, HER1
Target/Specificity	This EGFR antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 1163-1191 amino acids from the C-terminal region of human EGFR.
Dilution	IHC-P~~1:100~500 WB~~1:100~1000 E~~Use at an assay dependent concentration.
Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	EGFR Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Background

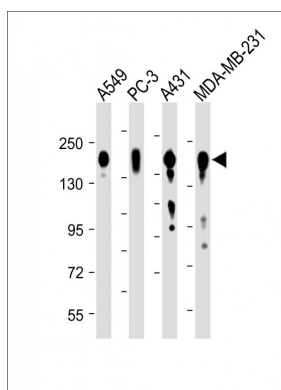
The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. Mutations in this gene are

associated with lung cancer. Multiple alternatively spliced transcript variants that encode different protein isoforms have been found for this gene.

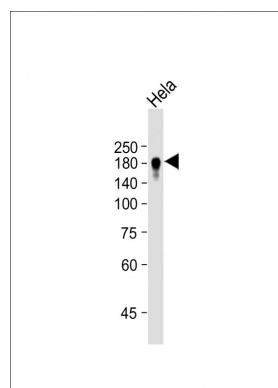
References

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Lu, C., et al. *Mol. Cell. Biol.* 30(22):5432-5443(2010)
Rosell, R., et al. *Ann. N. Y. Acad. Sci.* 1210, 45-52 (2010) :
Hata, A., et al. *J Thorac Oncol* 5(10):1524-1528(2010)
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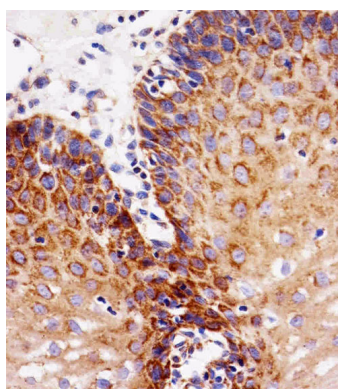
Images



All lanes : Anti-EGFR Antibody (C-term) at 1:8000 dilution
Lane 1: A549 whole cell lysate Lane 2: PC-3 whole cell lysate Lane 3: A431 whole cell lysate Lane 4: MDA-MB-231 whole cell lysate Lysates/proteins at 20 µg per lane.
Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 134 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Anti-EGFR Antibody (C-term) at 1:8000 dilution + HeLa whole cell lysate Lysates/proteins at 20 µg per lane.
Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 134 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Immunohistochemical analysis of paraffin-embedded H. esophagus section using EGFR Antibody (C-term)(Cat#AM2179b). AM2179b was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.