

EGFR antibody [GT133]

Cat. No. GTX628887

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Applications	WB, ICC/IF, IHC-P, IP
Reactivity	Human

References (5)

Package

100 µl, 25 µl

PRODUCT

Summary

EGFR antibody recognizes epidermal growth factor receptor (EGFR, also known as HER1 in humans), a receptor tyrosine kinase with a predicted molecular weight of 134 kDa. EGFR is involved in epithelial tissue development and homeostasis. It is also a driver of tumorigenesis. Upregulation or abnormal activation of EGFR is frequently found in glioblastomas, lung cancers, and breast cancers, among others.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:5000-1:20000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
IP	1:100-1:500

Not tested in other applications.

Calculated MW	134 kDa. (Note)
Observed MW (kDa)	180 kDa.

Product Note

This antibody was raised against human EGFR Intracellular domain. This antibody does not cross-react with Her2/ErbB2 protein.

IP/MS validation is based on published data (PMID: 30377423).

Properties

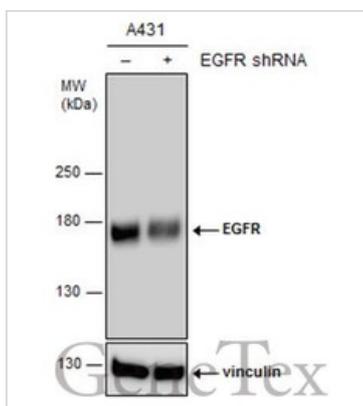
Form	Liquid
Buffer	PBS
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



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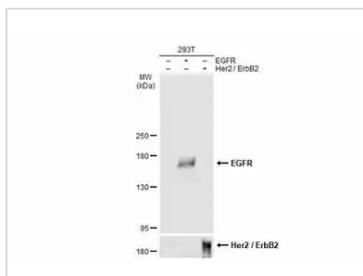
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein encompassing a sequence within the Intracellular domain of human EGFR. The exact sequence is proprietary.
Purification	Affinity purified by Protein G.
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



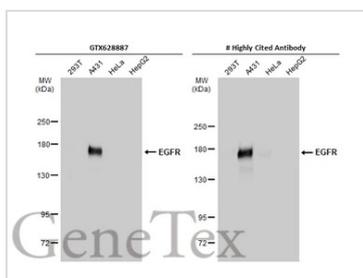
GTX628887 WB Image

Non-transfected (-) and transfected (+) A431 whole cell extracts (15 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with EGFR antibody [GT133] (GTX628887) diluted at 1:8000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



GTX628887 WB Image

Non-transfected (-) and transfected (+) 293T whole cell extracts were separated by 5% SDS-PAGE, and the membrane was blotted with EGFR antibody [GT133] (GTX628887) diluted at 1:1000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



GTX628887 WB Image

Various whole cell extracts (30 µg) were separated by 5% SDS-PAGE, and the membranes were blotted with EGFR antibody [GT133] (GTX628887) diluted at 1:5000 and competitor's antibody diluted at 1:5000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody. Corresponding RNA expression data for the same cell lines are based on Human Protein Atlas program.

*The competitor is not affiliated with GeneTex and does not endorse this product.



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