

Datasheet for ABIN1882237
anti-EGFR antibody (C-Term)

6 Images

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Overview

Quantity:	400 µL
Target:	EGFR
Binding Specificity:	AA 1163-1191, C-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	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.
Clone:	688CT33-1-3
Isotype:	IgG1
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

Target Details

Target:	EGFR
Alternative Name:	EGFR (EGFR Products)
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

Target Details

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.

Molecular Weight: 134277

NCBI Accession: [NP_005219](#), [NP_958439](#), [NP_958440](#), [NP_958441](#)

UniProt: [P00533](#)

Pathways: [NF-kappaB Signaling](#), [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Stem Cell Maintenance](#), [Hepatitis C](#), [Positive Regulation of Response to DNA Damage Stimulus](#), [Interaction of EGFR with phospholipase C-gamma](#), [Thromboxane A2 Receptor Signaling](#), [EGFR Downregulation](#), [S100 Proteins](#)

Application Details

Application Notes: WB: 1:8000. WB: 1:1000. IHC-P: 1:25. IHC-P: 1:25. IHC-P: 1:25. IHC-P: 1:25

Restrictions: For Research Use only

Handling

Format: Liquid

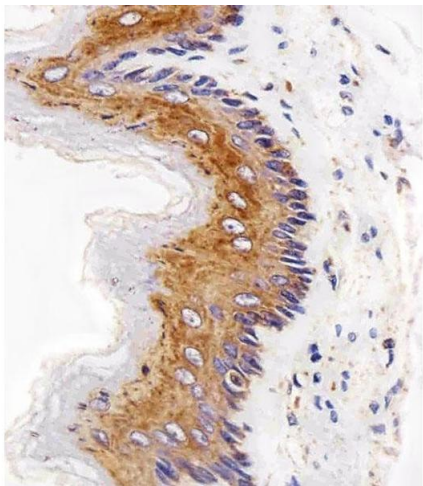
Buffer: Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

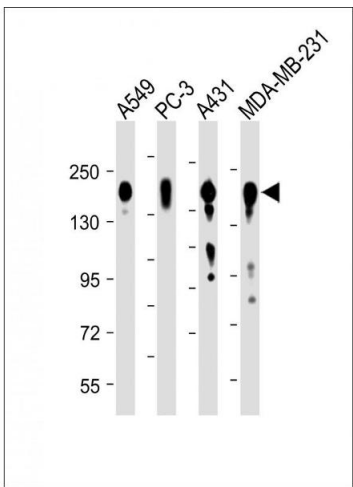
Storage: 4 °C, -20 °C

Expiry Date: 6 months



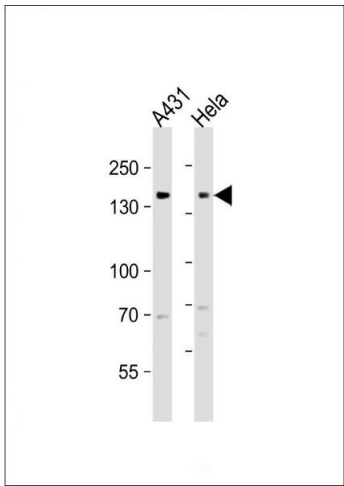
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical analysis of paraffin-embedded R. esophagus section using EGFR Antibody (C-term) (ABIN1882237 and ABIN2843895). (ABIN1882237 and ABIN2843895) 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.



Western Blotting

Image 2. 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.



Western Blotting

Image 3. All lanes : Anti-EGFR Antibody (C-term) at 1:1000 dilution Lane 1: A431 whole cell lysate Lane 2: HeLa whole cell lysate Lysates/proteins at 20 g 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.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN1882237.