Anti-Epidermal Growth Factor Receptor Mouse Monoclonal Antibody

Catalog #: 4796

Aliases

EGFR; Epidermal Growth Factor Receptor; ERBB1; ERRP; ERBB; Receptor Tyrosine-Protein Kinase ErbB-1; Erb-B2 Receptor Tyrosine Kinase 1; Proto-Oncogene C-ErbB-1; EC 2.7.10.1; HER1; Epidermal Growth Factor Receptor (Avian Erythroblastic Leukemia Viral (V-Erb-B) Oncogene Homolog); Erythroblastic Leukemia Viral (V-Erb-B) Oncogene Homolog (Avian); Avian Erythroblastic Leukemia Viral (V-Erb-B) Oncogene Homolog; Epidermal Growth Factor Receptor Tyrosine Kinase Domain; Cell Proliferation-Inducing Protein 61; Cell Growth Inhibiting Protein 40; EGFR VIII; EC 2.7.10; NISBD2; PIG61; MENA

Background

Gene Name: EGFR
NCBI Gene Entry: 1956
UniProt Entry: P00533

Application Information

Molecular Weight: Predicted, 134 kDa; observed, 170 kDa
Clonality: Mouse monoclonal antibody
Clone ID: 24GB12985
Species Reactivity: Human
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

Recombinant protein of human EGFR

Isotype

Mouse IgG2b

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

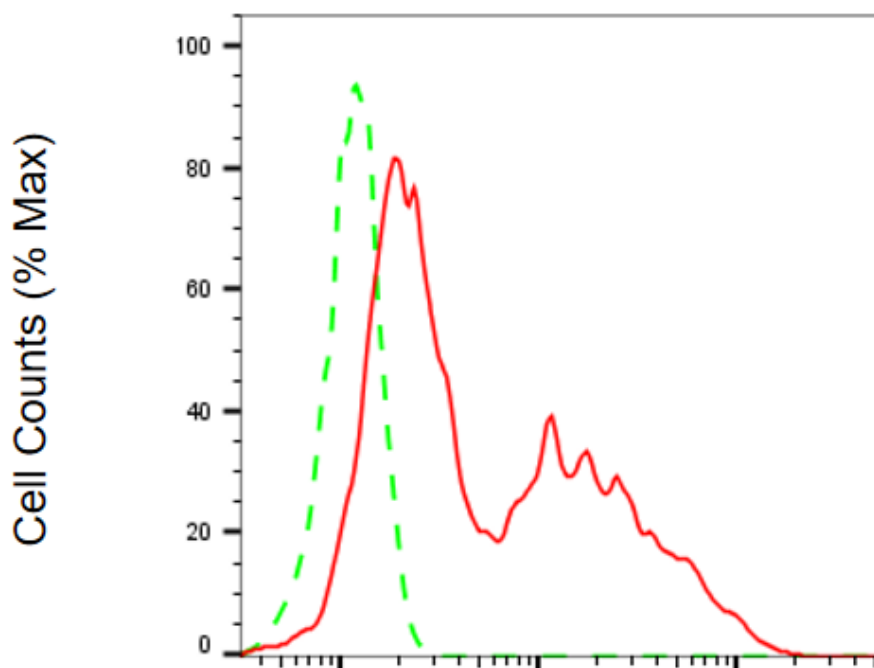Western Blotting (WB):1:500-1:2,500
Flow Cytometry (FCM): 1:2,000

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Immunocytochemistry (IC): 1:100-1:1,000

Note: This product is for research use only.

Validation Data

Epidermal growth factor receptor-Alexa Fluor® 647

Flow cytometric analysis of Epidermal growth factor receptor expression in HepG2 cells using anti-Epidermal growth factor receptor antibody (Cat#4796, 1:2,000). Green, isotype control; red, Epidermal growth factor receptor.
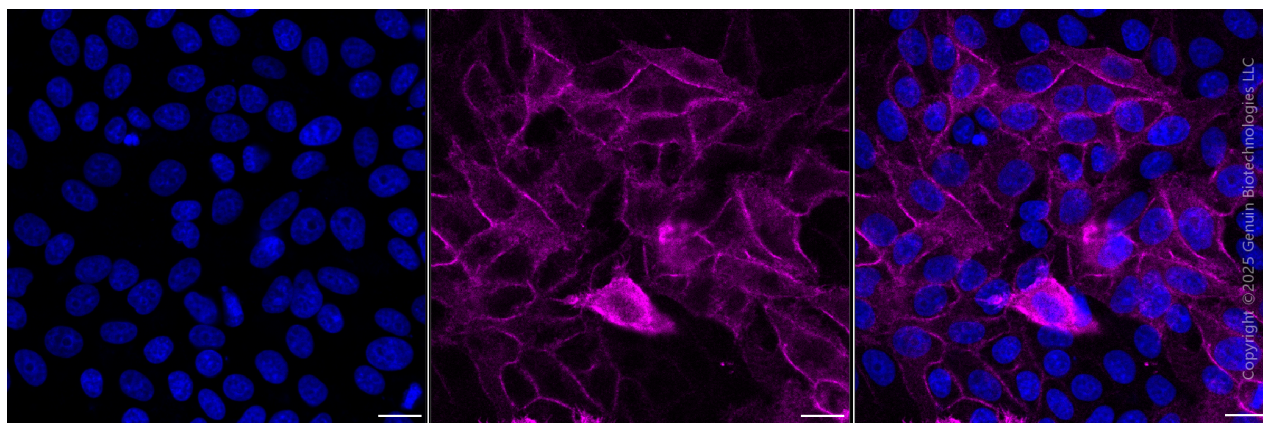
Immunocytochemical staining of HepG2 cells with anti-Epidermal growth factor receptor

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antibody (Cat#4796, 1:1,000) . Nuclei were stained blue with DAPI; Epidermal growth factor receptor was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and Smart Gain: Medium. Scale bar, 20 μm.
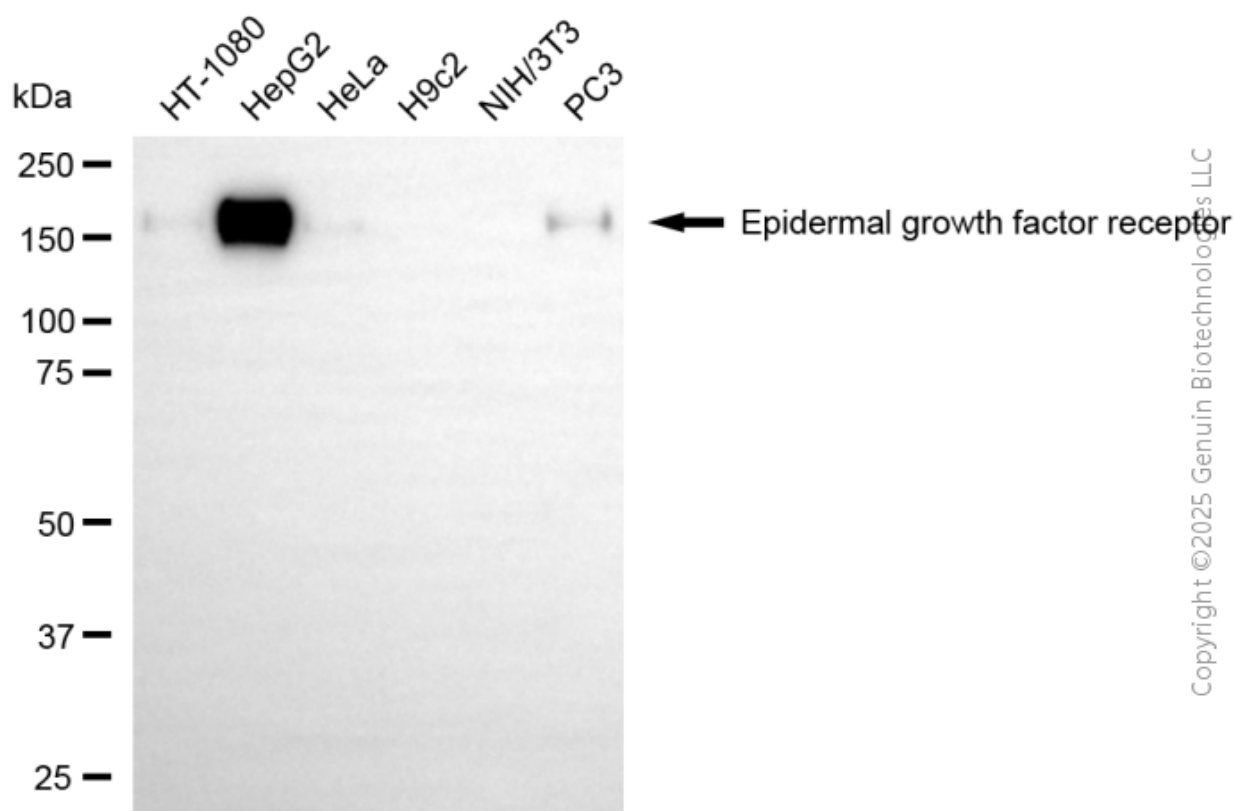
Western blotting analysis using anti-epidermal growth factor receptor antibody (Cat#4796). Total cell lysates (30 μg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-epidermal growth factor receptor antibody (Cat#4796, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).

SUPPORT

SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

ORDERS

SALES@GENUINBIOTECH.COM
FAX:+1-540-855-7041

WWW.GENUINBIOTECH.COM