KD-Validated Anti-Epidermal Growth Factor Receptor Mouse Monoclonal Antibody

GenuIN BIOTECH
REAL MATTERS

Catalog #: 63472

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: 24GB5790
Species Reactivity: Human
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

Recombinant protein of human EGFR

Isotype

Mouse IgG1

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):1:2,500-1:5,000
Flow Cytometry (FCM): 1:2,000

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

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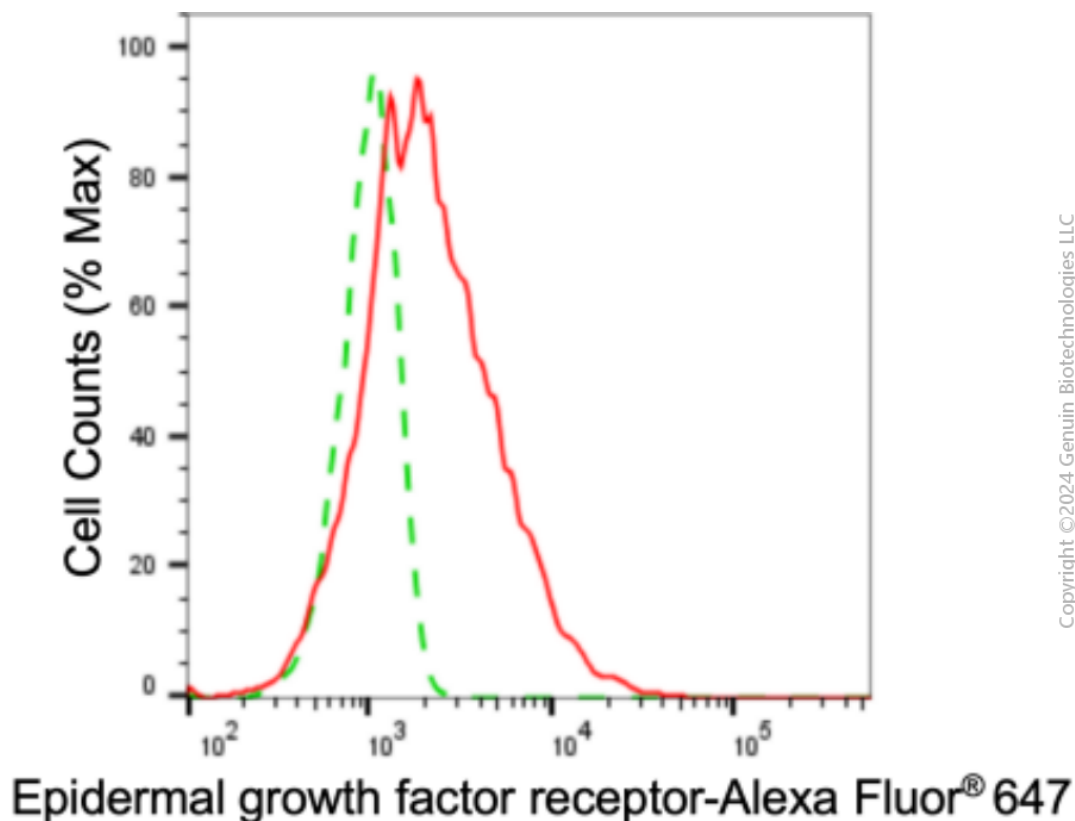FAX:+1-540-855-7041

WWW.GENUINBIOTECH.COM

KD-Validated Anti-Epidermal Growth Factor Receptor Mouse Monoclonal Antibody
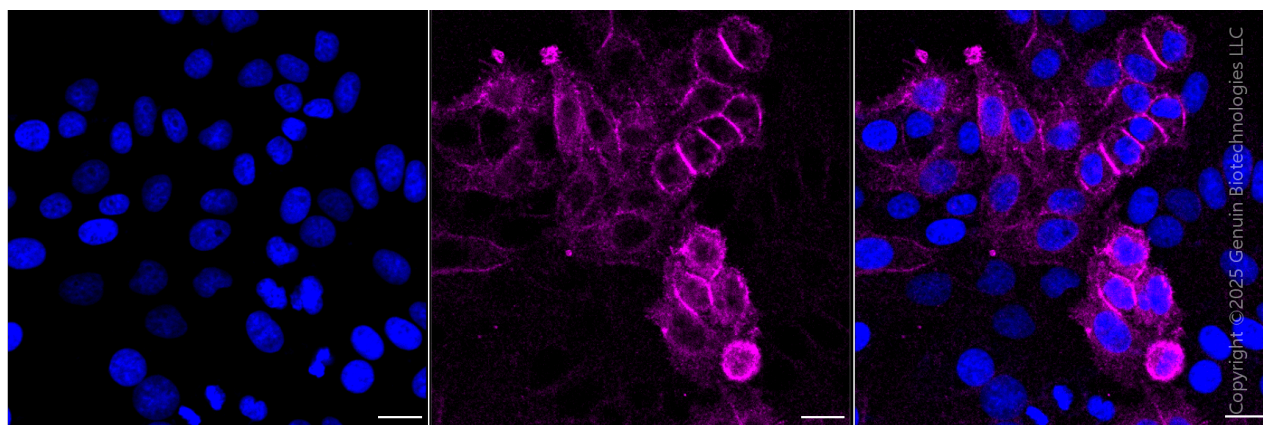
Immunocytochemistry (IC): 1:100-1:1,000

Note: This product is for research use only.

Validation Data

Flow cytometric analysis of Epidermal growth factor receptor expression in HepG2 cells using anti-Epidermal growth factor receptor antibody (Cat#63472, 1:2,000). Green, isotype control; red, Epidermal growth factor receptor.

Immunocytochemical staining of HepG2 cells with anti-Epidermal growth factor receptor antibody (Cat#63472, 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□Low. Scale bar, 20 μm.
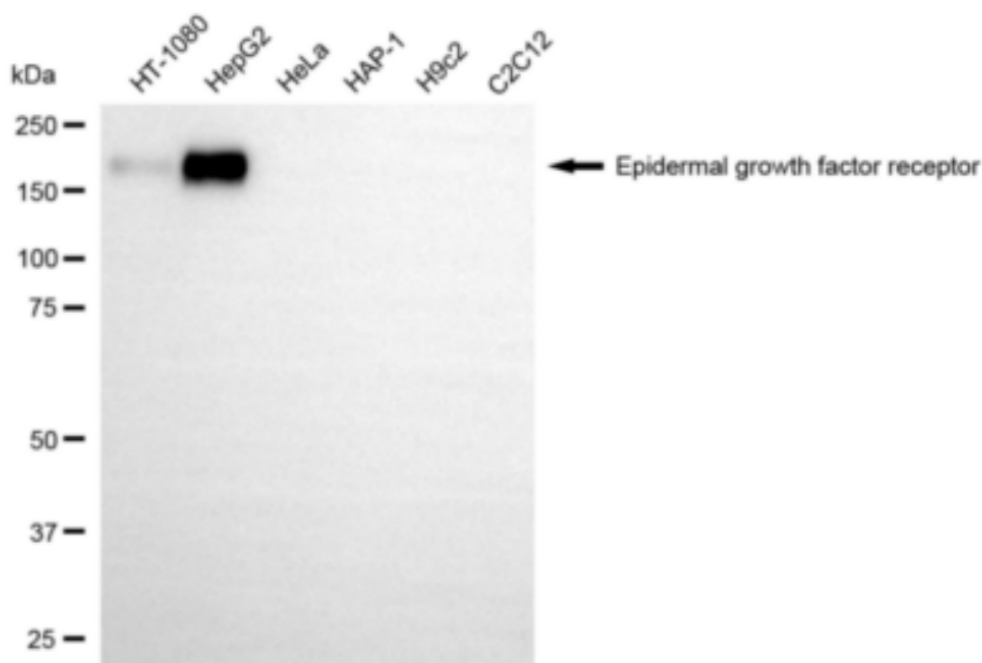
Western blotting analysis using anti-epidermal growth factor receptor antibody (Cat#63472). Total cell lysates (30 μg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-epidermal growth factor receptor antibody (Cat#63472, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit(Cat#716).
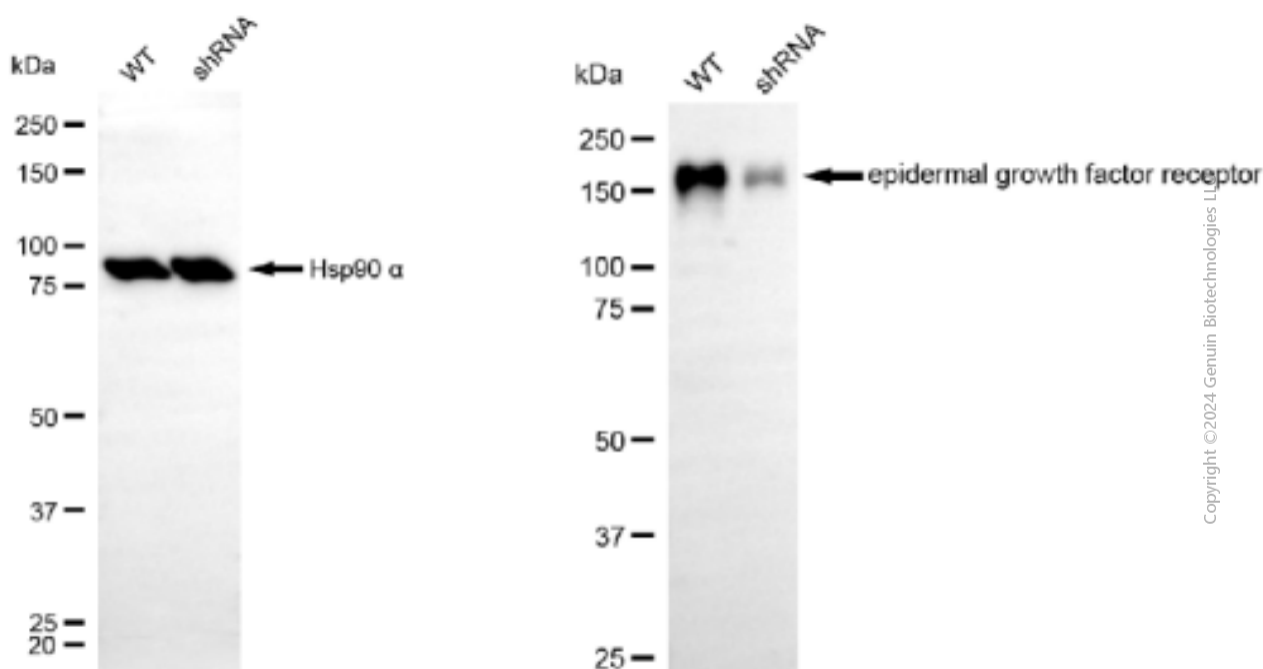
SUPPORT
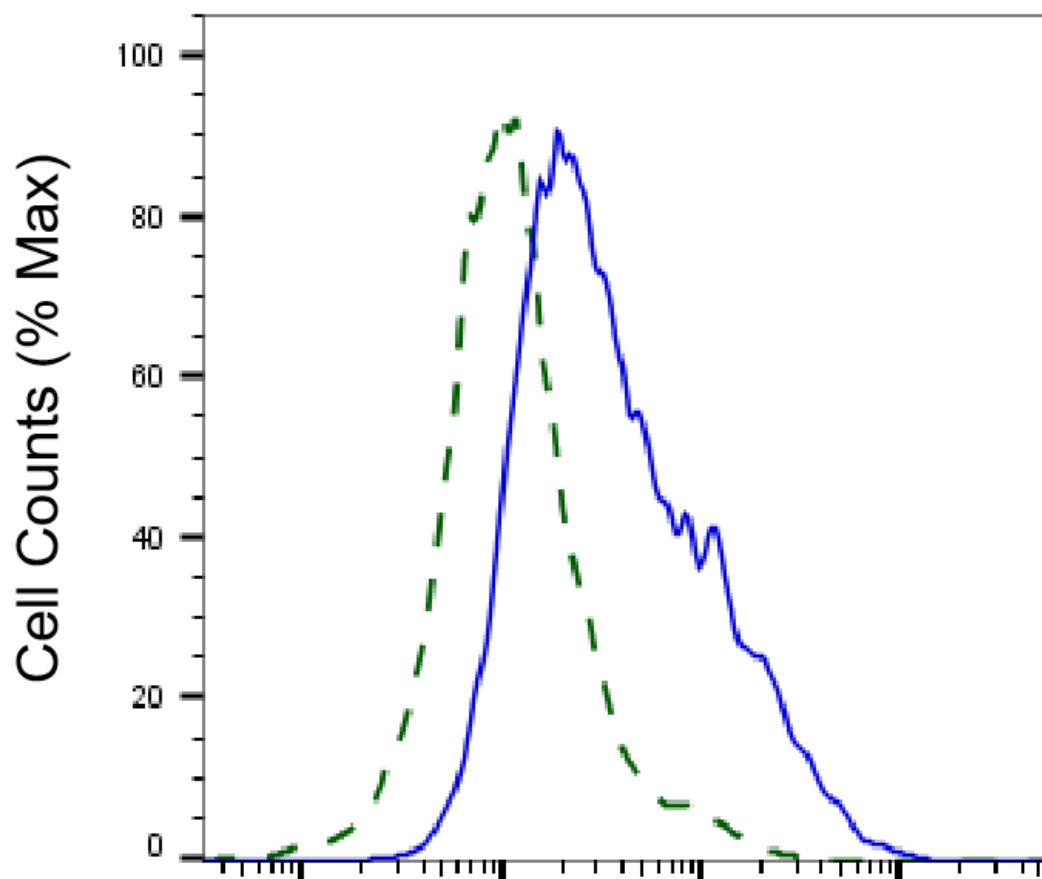SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

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

WWW.GENUINBIOTECH.COM

KD-Validated Anti-Epidermal Growth Factor Receptor Mouse Monoclonal Antibody

Western blotting analysis using anti-epidermal growth factor receptor antibody (Cat#63472). Epidermal growth factor receptor expression in wild type (WT) and epidermal growth factor receptor (EGFR) shRNA knockdown (KD) HepG2 cells with 20 μg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-epidermal growth factor receptor antibody (Cat#63472, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).

Validation of Epidermal growth factor receptor knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HepG2 cells were stained with anti-Epidermal growth factor receptor antibody (Cat#63472, 1:2,000) and analyzed using BD flow cytometer.

KD-Validated Anti-Epidermal Growth Factor Receptor Mouse Monoclonal Antibody
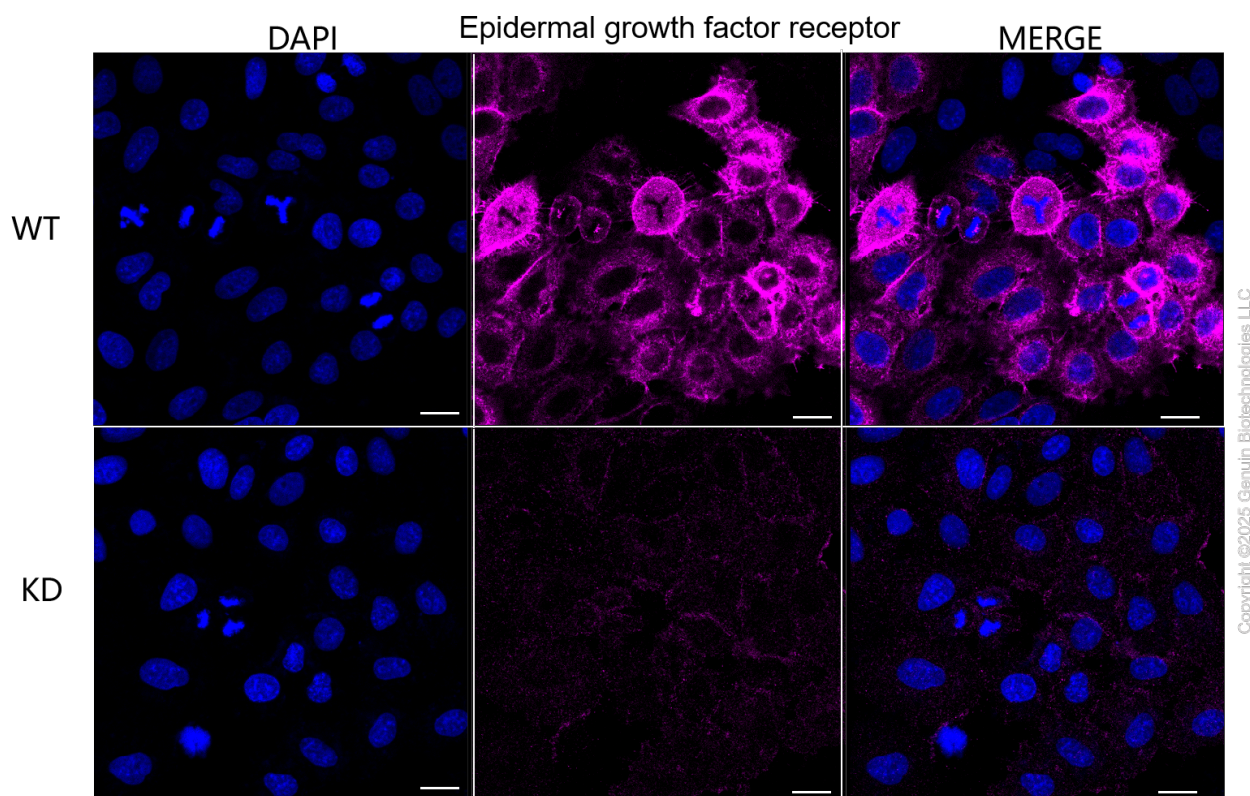
Immunocytochemical staining of HepG2 cells using anti-Epidermal growth factor receptor antibody (Cat#63472, 1:1,000), Top panel: wild-type (WT); Bottom panal: Adiponectin receptor 1 shRNA knockdown (KD). Nuclei were stained blue with DAPI; Epidermal growth factor receptor was stained magenta with Alexa Fluor® 647. Scale bar, 20 μm. Permeabilization: Triton.