9051 Mira Mesa Blvd, #910094
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KD-Validated Anti-Epidermal Growth Factor Receptor Mouse Monoclonal Antibody

Mouse monoclonal antibody

ABG1920

Product Overview

Name	KD-Validated Anti-Epidermal Growth Factor Receptor Mouse Monoclonal Antibody
Accession(Primary)	P00533
Host Species	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG2b
Immunogen	Recombinant protein of human EGFR
Species Reactivity	Human
Calculated MW	Predicted, 134 kDa, Observed, 170 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:2,500-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1:1,000

Target information (P00533)

Gene Name	EGFR
About Gene Symbol	EGFR (Epidermal Growth Factor Receptor) is a receptor tyrosine kinase involved in immune signaling. It is an important research target in cancer research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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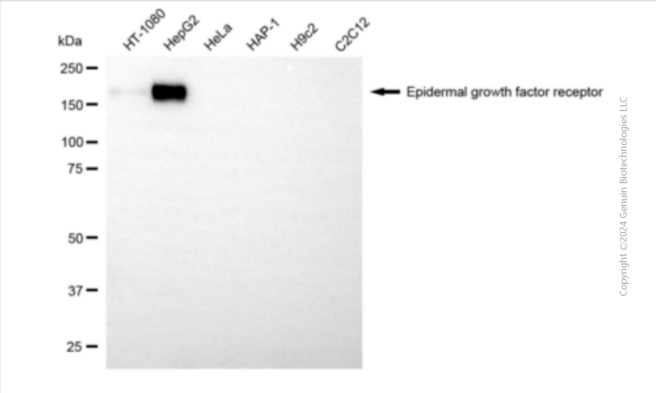
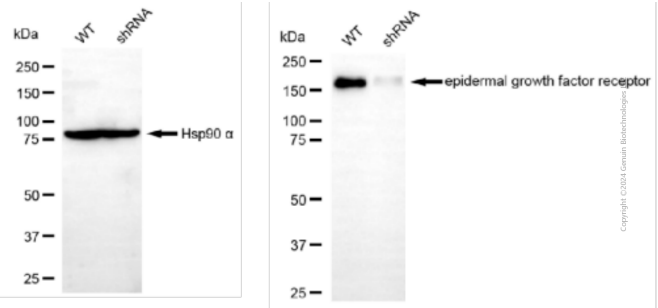
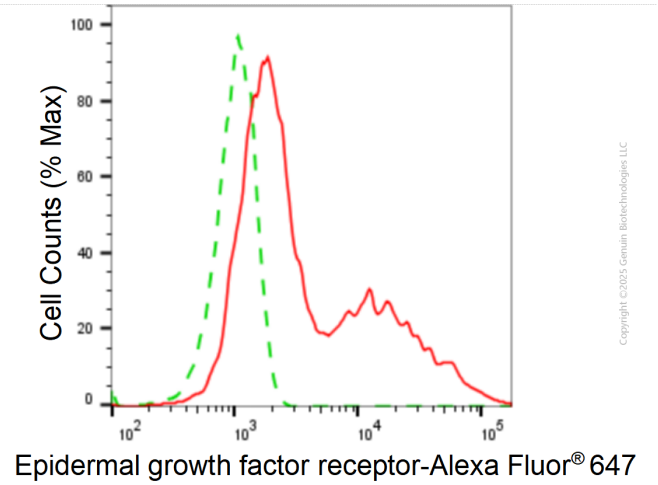


Western blotting analysis using anti-epidermal growth factor receptor antibody (Cat#ABG1920). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-epidermal growth factor receptor antibody (Cat#ABG1920, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Western blotting analysis using anti-epidermal growth factor receptor antibody (Cat#ABG1920). 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#ABG1920, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Flow cytometric analysis of epidermal growth factor receptor expression in HepG2 cells using anti-epidermal growth factor receptor antibody (Cat#ABG1920, 1:2,000). Green, isotype control; red, epidermal growth factor receptor.

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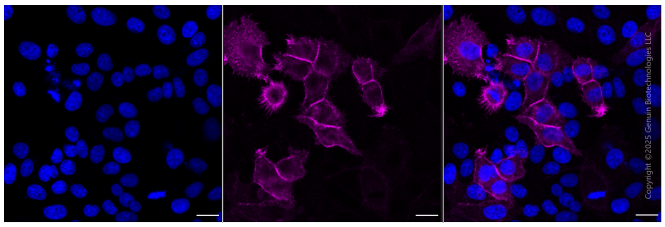

Immunocytochemical staining of HepG2 cells with anti-Epidermal growth factor receptor antibody (Cat#ABG1920, 1:1,000). Nuclei were stained blue with DAPI; Epidermal growth factor receptor was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and Smart Gain□Medium. Scale bar, 20 µm.