

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

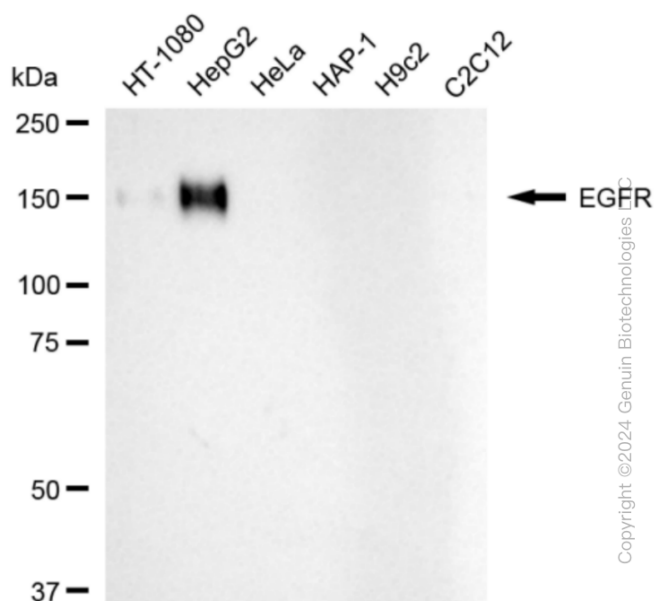
ABG1813

Product Overview

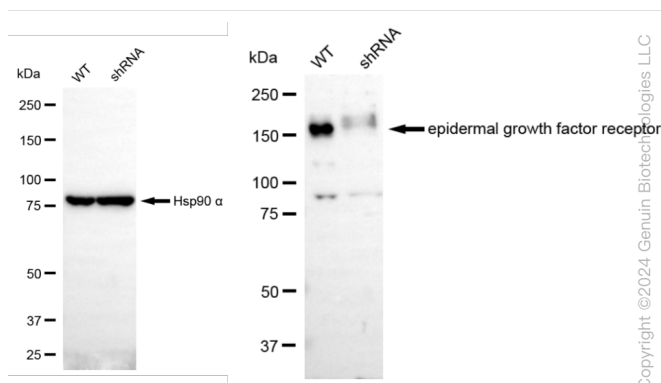
Name	KD-Validated Anti-Epidermal Growth Factor Receptor Rabbit Monoclonal Antibody
Accession(Primary)	P00533
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human EGFR
Species Reactivity	Human
Calculated MW	Predicted, 134 kDa, observed, 160 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1:1,000

Target information (P00533)

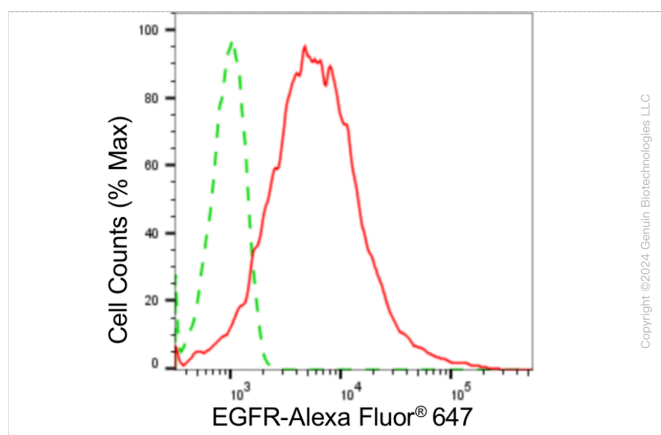
Gene Name	EGFR
About Gene Symbol	EGFR (Epidermal Growth Factor Receptor) is a receptor tyrosine kinase involved in immune signaling. It is an important research target in cancer research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



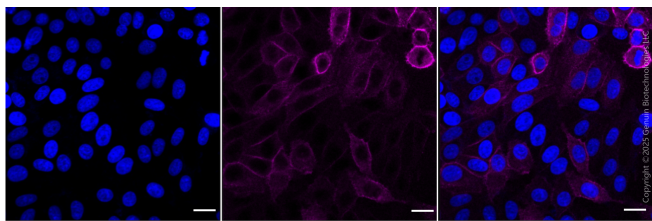
Western blotting analysis using anti-EGFR antibody (Cat#ABG1813). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-EGFR antibody (Cat#ABG1813, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-EGFR antibody (Cat#ABG1813). EGFR expression in wild type (WT) and EGFR shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-EGFR antibody (Cat#ABG1813, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of EGFR expression in HepG2 cells using anti-EGFR antibody (Cat#ABG1813, 1:2,000). Green, isotype control; red, EGFR.



Immunocytochemical staining of HepG2 cells with anti-EGFR antibody (Cat#ABG1813, 1:1,000).

Nuclei were stained blue with DAPI; EGFR 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 μ m.