

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

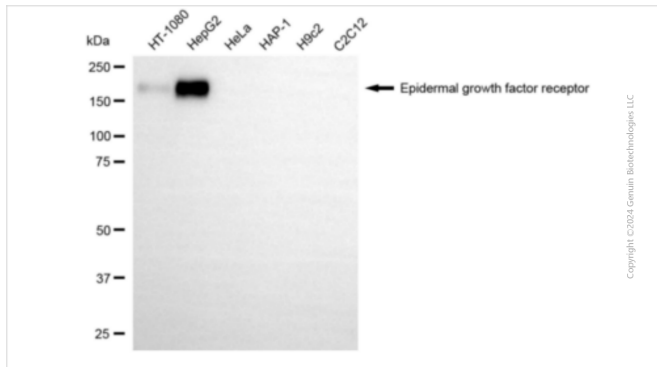
ABG1919

## Product Overview

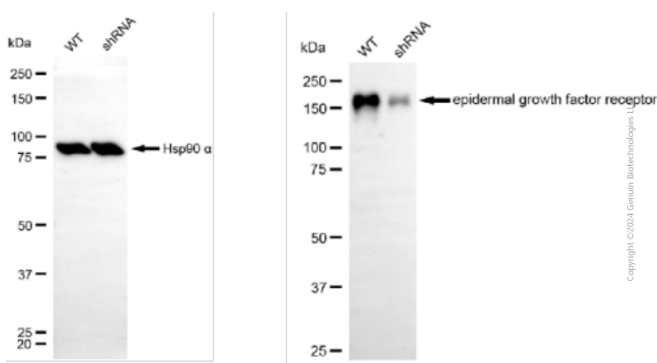
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|-----------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Name</b>                 | KD-Validated Anti-Epidermal Growth Factor Receptor Mouse Monoclonal Antibody                                 |
| <b>Accession(Primary)</b>   | P00533                                                                                                       |
| <b>Host Species</b>         | Mouse                                                                                                        |
| <b>Clonality</b>            | Monoclonal                                                                                                   |
| <b>Isotype</b>              | Mouse IgG1                                                                                                   |
| <b>Immunogen</b>            | Recombinant protein of human EGFR                                                                            |
| <b>Species Reactivity</b>   | Human                                                                                                        |
| <b>Calculated MW</b>        | Predicted, 134 kDa, observed, 170 kDa                                                                        |
| <b>Storage Buffer</b>       | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.                                    |
| <b>Recommended Dilution</b> | 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)

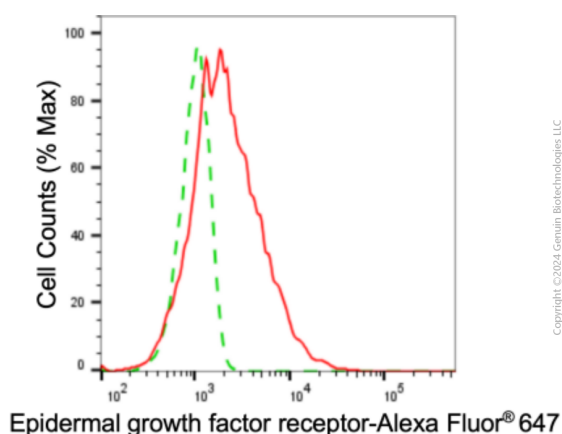
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|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | EGFR                                                                                                                                                                                                                                               |
| <b>About Gene Symbol</b> | 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. |



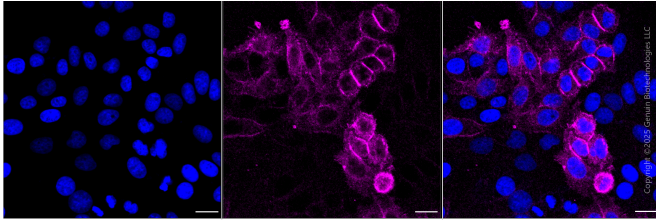
Western blotting analysis using anti-epidermal growth factor receptor antibody (Cat#ABG1919). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-epidermal growth factor receptor antibody (Cat#ABG1919, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Western blotting analysis using anti-epidermal growth factor receptor antibody (Cat#ABG1919). 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#ABG1919, 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#ABG1919, 1:2,000). Green, isotype control; red, Epidermal growth factor receptor.



Immunocytochemical staining of HepG2 cells with anti-Epidermal growth factor receptor antibody (Cat#ABG1919, 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  $\mu$ m.