

KD-Validated Anti-ERBB2 Mouse Monoclonal Antibody

Mouse monoclonal antibody

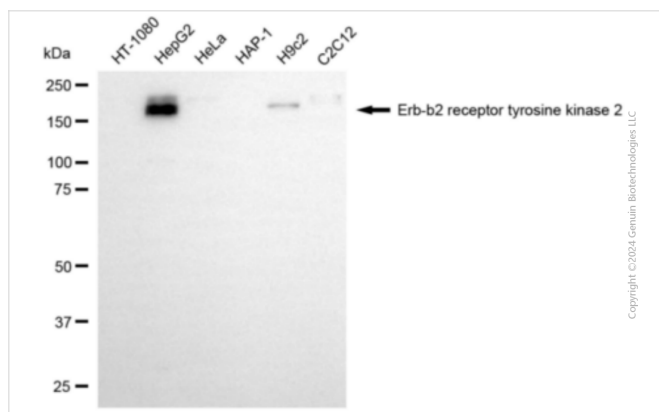
ABG1913

Product Overview

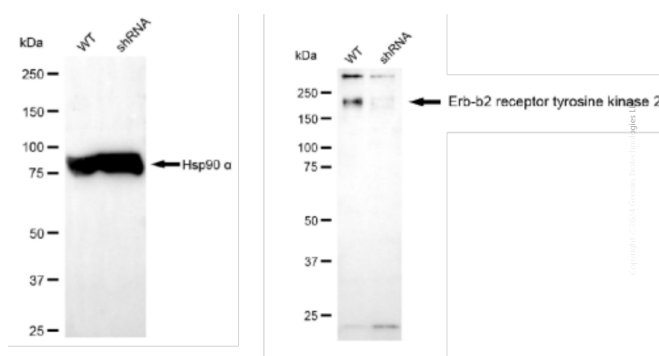
Name	KD-Validated Anti-ERBB2 Mouse Monoclonal Antibody
Accession(Primary)	P04626
Host Species	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG2a
Immunogen	Recombinant protein of human ERBB2
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 138 kDa, Observed, 180 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:2,500 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1:1,000

Target information (P04626)

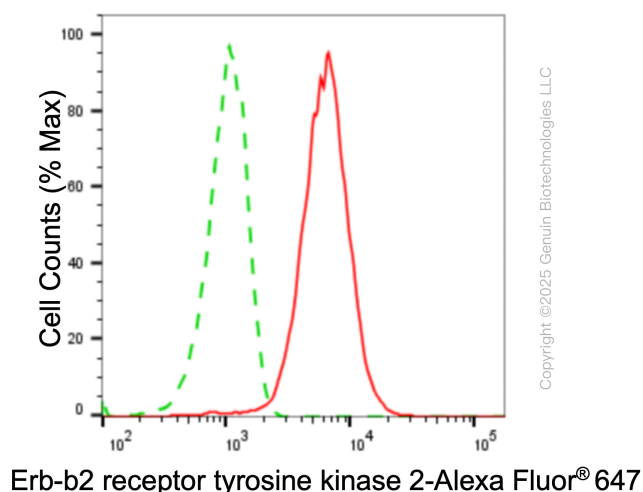
Gene Name	ERBB2
About Gene Symbol	ERBB2 (Erb-B2 Receptor Tyrosine Kinase 2) is a receptor tyrosine kinase involved in Hedgehog signaling and adaptive immunity. It is an important research target in cancer research and is widely studied to elucidate cellular mechanisms and identify therapies.



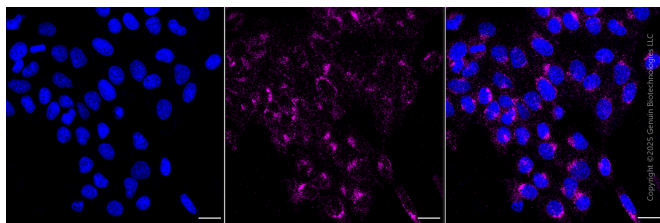
Western blotting analysis using anti-erb-b2 receptor tyrosine kinase 2 antibody (Cat#ABG1913). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-erb-b2 receptor tyrosine kinase 2 antibody (Cat#ABG1913, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Western blotting analysis using anti-erb-b2 receptor tyrosine kinase 2 antibody (Cat#ABG1913). Erb-b2 receptor tyrosine kinase 2 expression in wild type (WT) and erb-b2 receptor tyrosine kinase 2 (ERBB2) shRNA knockdown (KD) 293T cells with 30 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-erb-b2 receptor tyrosine kinase 2 antibody (Cat#ABG1913, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Flow cytometric analysis of erb-b2 receptor tyrosine kinase 2 expression in HepG2 cells using anti-erb-b2 receptor tyrosine kinase 2 antibody (Cat#ABG1913, 1:2,000). Green, isotype control; red, erb-b2 receptor tyrosine kinase 2.



Immunocytochemical staining of HepG2 cells with anti-Erb-b2 receptor tyrosine kinase 2 antibody (Cat#ABG1913, 1:1,000). Nuclei were stained blue with DAPI; Erb-b2 receptor tyrosine kinase 2 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 μ m.