

KD-Validated Anti-ERBB2 Mouse Monoclonal Antibody



Catalog #: 63455

Aliases

ERBB2; Erb-B2 Receptor Tyrosine Kinase 2; HER2; NEU 2; C-ERB-2; C-ERB2; MLN-19; HER-2; CD340; NGL; V-Erb-B2 Avian Erythroblastic Leukemia Viral Oncogene Homolog 2; Tyrosine Kinase-Type Cell Surface Receptor HER2; Neuro/Glioblastoma Derived Oncogene Homolog; Human Epidermal Growth Factor Receptor 2; Receptor Tyrosine-Protein Kinase ErbB-2; Metastatic Lymph Node Gene 19 Protein; Proto-Oncogene C-ErbB-2; Proto-Oncogene Neu; P185(ErbB2); EC 2.7.10.1; MLN 19; V-Erb-B2 Avian Erythroblastic Leukemia Viral Oncogene Homolog 2 (Neuro/Glioblastoma Derived Oncogene Homolog) 2; V-Erb-B2 Erythroblastic Leukemia Viral Oncogene Homolog 2, Neuro/Glioblastoma Derived Oncogene Homolog; V-Erb-B2 Avian Erythroblastic Leukemia Viral Oncoprotein 2; Neuroblastoma/Glioblastoma Derived Oncogene Homolog; Metastatic Lymph Node Gene 19; C-Erb B2/Neu Protein; CD340 Antigen; P185(ERBB2); HER-2/Neu; Herstatin; P185erbB2; EC 2.7.10; VSCN2; MLN19; TKR1

Background

Gene Name: ERBB2

NCBI Gene Entry: [2064](#)

UniProt Entry: [P04626](#)

Application Information

Molecular Weight: Predicted, 138 kDa, observed, 180 kDa

Clonality: Mouse monoclonal antibody

Clone ID: 24GB5710

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

Recombinant protein of human ERBB2

Isotype

Mouse IgG2a

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

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

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

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Store at -20 °C for one year.

Recommended Dilutions

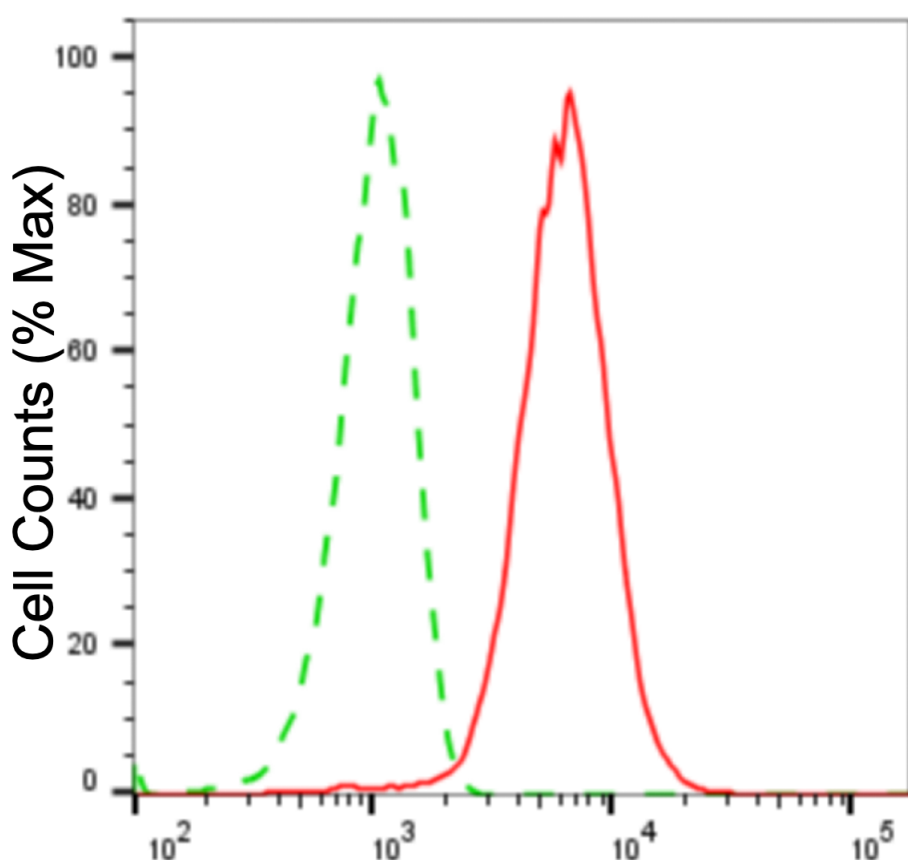
Western Blotting (WB):1:500-1:2,500

Immunocytochemistry (IC): 1:100-1:1,000

Flow Cytometry (FCM) : 1:2,000

Note: This product is for research use only.

Validation Data



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Erb-b2 receptor tyrosine kinase 2-Alexa Fluor® 647

Flow cytometric analysis of erb-b2 receptor tyrosine kinase 2 expression in HepG2 cells using anti-erb-b2 receptor tyrosine kinase 2 antibody (Cat#63455, 1:2,000). Green, isotype control; red, erb-b2 receptor tyrosine kinase 2.

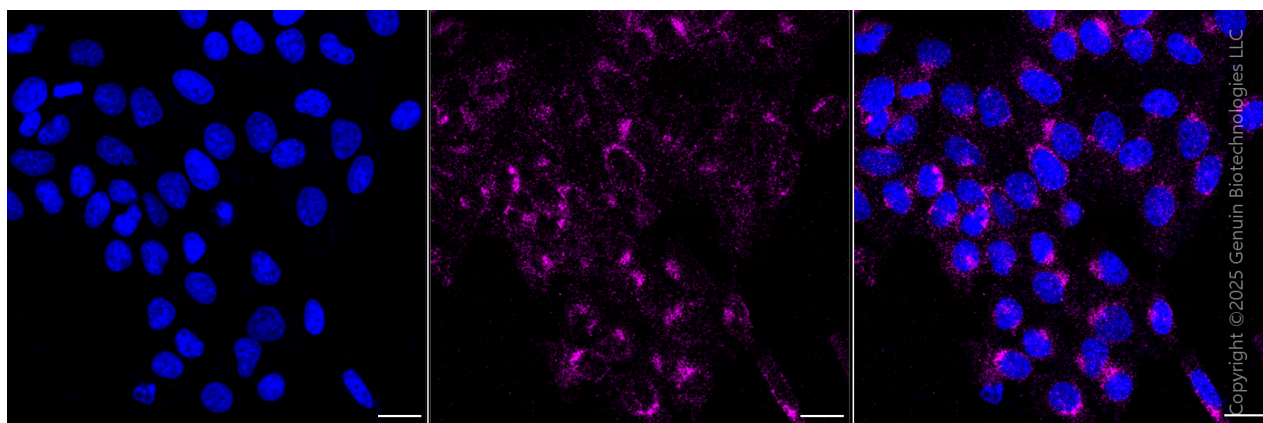
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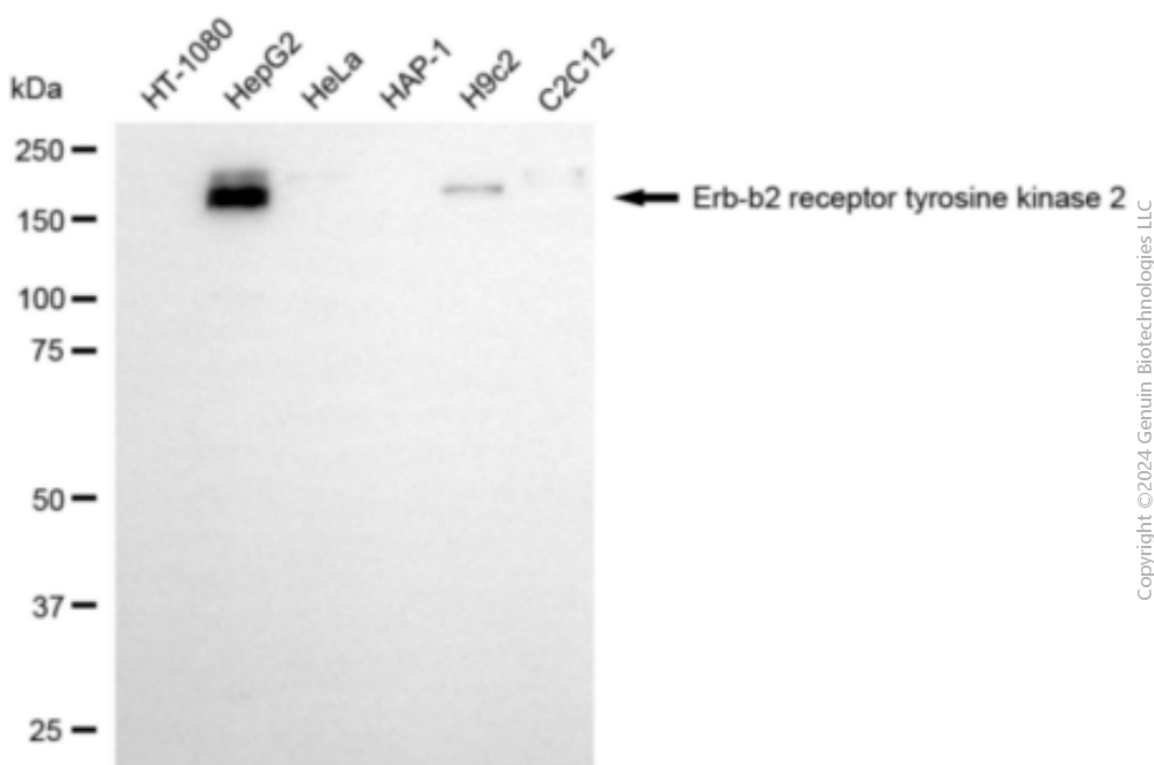
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Immunocytochemical staining of HepG2 cells with anti-Erb-b2 receptor tyrosine kinase 2 antibody (Cat#63455, 1:1,000). Nuclei were stained blue with DAPI; Erb-b2 receptor tyrosine kinase 2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and Smart Gain □ Low. Scale bar, 20 μ m.



Western blotting analysis using anti-erb-b2 receptor tyrosine kinase 2 antibody (Cat#63455). 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#63455, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).

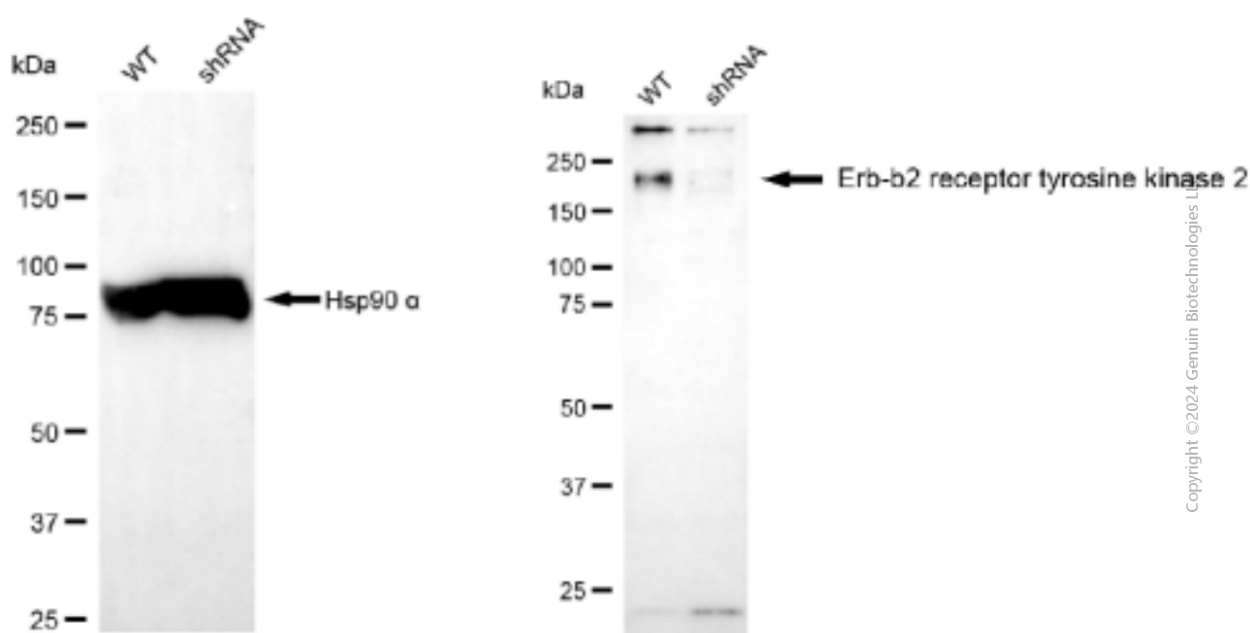
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Western blotting analysis using anti-erb-b2 receptor tyrosine kinase 2 antibody (Cat#63455). Erb-b2 receptor tyrosine kinase 2 expression in wild type (WT) and erb-b2 receptor tyrosine kinase 2 (ERBB2) shRNA knockdown (KD) 293T cells with 30 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-erb-b2 receptor tyrosine kinase 2 antibody (Cat#63455, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).