

ErbB2 (HER-2) Monoclonal Antibody (3B5), Biotin

Product Details	
Size	500 µL
Species Reactivity	Human, Mouse
Published Species	Avian, Rat, Hamster, Cat, Human, Mouse
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	3B5
Conjugate	Biotin
Immunogen	A synthetic peptide from the C-terminus of human c-erbB-2 protein. This Sequence Is Identical In Rat Neu Protein.
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein G
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_10982527

Applications	Tested Dilution	Publications
Western Blot (WB)	1 µg/mL	15 Publications
Immunohistochemistry (IHC)	1:1,000-1:1,500	26 Publications
Immunocytochemistry (ICC/IF)	-	6 Publications
ELISA (ELISA)	-	3 Publications
Immunoprecipitation (IP)	1:25	2 Publications

Product Specific Information

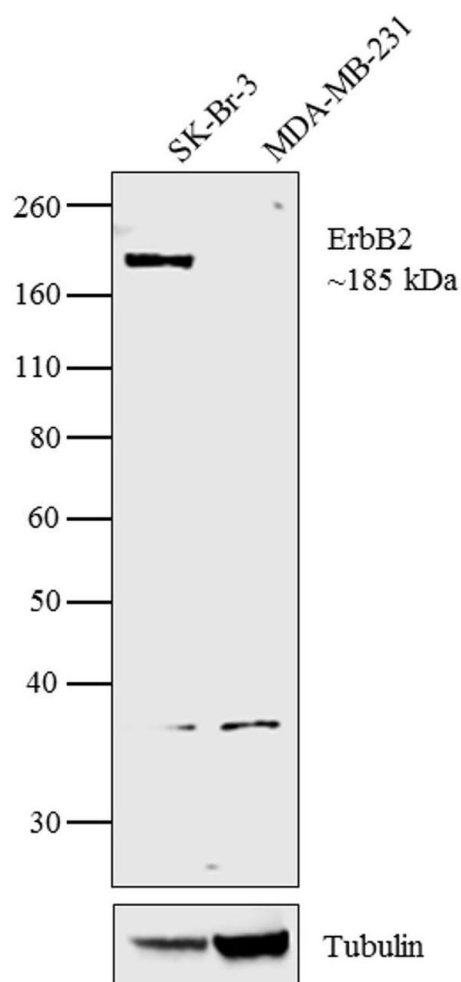
MA5-13672 targets HER-2 in IHC, IP, and WB applications and shows reactivity with Human, mouse, Non-human primate, and Rat samples.

The MA5-13672 immunogen is a synthetic peptide from the C-terminus of human c-erbB-2 protein. This Sequence Is Identical In Rat Neu Protein.

Product Images For ErbB2 (HER-2) Monoclonal Antibody (3B5), Biotin

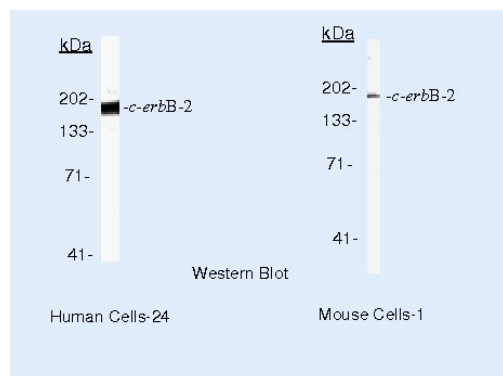
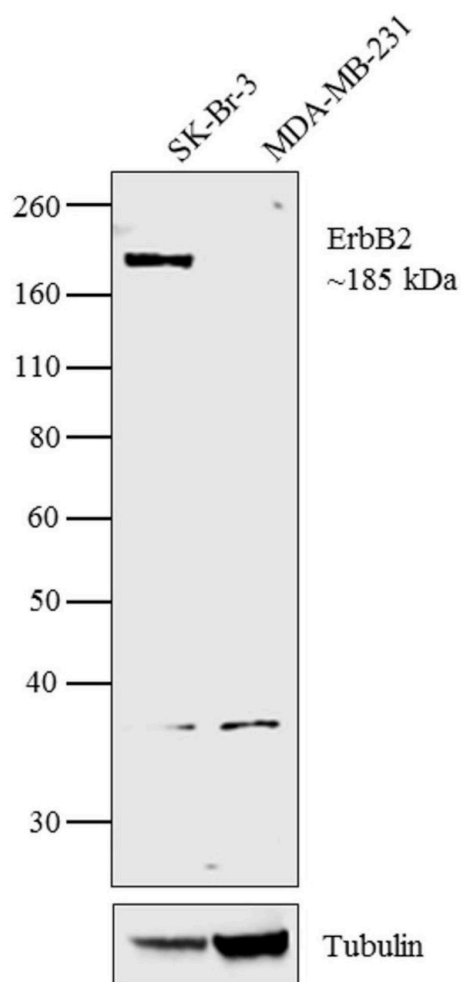
ErbB2 (HER-2) Antibody (MA5-13672) in WB

Western blot analysis was performed on membrane enriched extracts (30 µg lysate) of SK-BR-3 (1) and MDA-MB-231 (2). The blots were probed with Anti-ErbB2 Mouse Monoclonal Antibody (Product # MA5-13672, 1 µg/mL dilution) and detected by chemiluminescence using Streptavidin-HRP (Product # N200, 1:10,000 dilution). A 185 kDa band corresponding to ErbB2 was observed in SK-BR-3 but not in MDA-MB-231, which is a negative control for ErbB2. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane using the wet transfer system. The membrane was probed with the relevant primary antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



ErbB2 (HER-2) Antibody (MA5-13672)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Relative expression of ErbB2 was observed in SK-BR-3 and MDA-MB-231 in Western Blot using ErbB2 Monoclonal Antibody (Product # MA5-13672). SK-BR-3 has been reported to over-express ErbB2, whereas MDA-MB-231 has been shown to be negative for ErbB2 expression (PMCID: PMC2914277). {RE}



ErbB2 (HER-2) Antibody (MA5-13672) in WB

Western blot of HER-2 using HER-2 Monoclonal Antibody (Product # MA5-13672) on SKBR3 Cells and MAD109 Cells.

[View more figures on thermofisher.com](https://www.thermofisher.com)

Western Blot (15)

Scientific reports

A cell-based screening system for influenza A viral RNA transcription /replication inhibitors.

"MA5-13672 was used in western blot to develop a cell-based screening system to identify compounds that inhibit influenza A viral RNA transcription/replication"

Authors: Ozawa M,Shimajima M,Goto H,Watanabe S,Hatta Y,Kiso M,Furuta Y,Horimoto T,Peters NR,Hoffmann FM,Kawaoka Y

Year
2013

Species
Human

Journal of nuclear medicine : official publication, Society of Nuclear Medicine

Monitoring afatinib treatment in HER2-positive gastric cancer with 18F-FDG and 89Zr-trastuzumab PET.

"MA5-13672 was used in western blot to study the pharmacodynamics of afatinib in HER2-positive gastric cancer using PET"

Authors: Janjigian YY,Viola-Villegas N,Holland JP,Divilov V,Carlin SD,Gomes-DaGama EM,Chiosis G,Carbonetti G,de Stanchina E,Lewis JS

Year
2013

Species
Human

Dilution
1:500

[View more WB references on thermofisher.com](#)

Immunohistochemistry (26)

Archives of pathology & laboratory medicine

HER2/neu gene amplification and protein overexpression in gastric and gastroesophageal junction adenocarcinoma: a review of histopathology, diagnostic testing, and clinical implications.

"MA5-13672 was used in immunohistochemistry to review the literature on HER2/neu gene amplification and protein overexpression in gastric and gastroesophageal junction adenocarcinoma"

Authors: Hechtman JF,Polydorides AD

Year
2012

Species
Human

Pathology oncology research : POR

Stromal caveolin-1 expression in breast carcinoma. Correlation with early tumor recurrence and clinical outcome.

"MA5-13672 was used in immunohistochemistry to study the prognostic value of stromal caveolin-1 in breast cancer"

Authors: El-Gendi SM,Mostafa MF,El-Gendi AM

Year
2012

Species
Human

Dilution
1:200

[View more IHC references on thermofisher.com](#)

More applications with references on thermofisher.com

ICC/IF (6)

ELISA (3)

IP (2)

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