

Phospho-ErbB2 (HER-2) (Tyr1248) Monoclonal Antibody (PN2A), Biotin

Product Details

Size	500 µL
Species	Human, Rat
Published Species	Rat, Human, Mouse
Expression System	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	PN2A
Conjugate	Biotin
Immunogen	Tyrosine-phosphorylated synthetic peptide corresponding to aa1242-1255 [Lys-TAENPE-pY-LGLDVPV] from the C-terminus of human c-erbB-2 protein (P-Tyr1248)
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_10984779

Applications	Tested Dilution	Publications
Immunofluorescence (IF)	Assay Dependent	-
Immunohistochemistry (IHC)	Assay Dependent	13 Publications
Western Blot (WB)	Assay Dependent	32 Publications
ELISA (ELISA)	-	1 Publication
Flow Cytometry (Flow)	-	1 Publication
Immunocytochemistry (ICC)	-	2 Publications
Immunoprecipitation (IP)	-	1 Publication
Neutralization (Neu)	-	1 Publication

Product Specific Information

MA5-11364 targets Phospho-HER-2 pTyr1248 in IF, IHC, and WB applications and shows reactivity with Human and Rat samples.

The MA5-11364 immunogen is tyrosine-phosphorylated synthetic peptide corresponding to aa1242-1255 [Lys-TAENPE-pY-LGLDVPV] from the C-terminus of human c-erbB-2 protein (P-Tyr1248).

51 References

Western Blot (32)

PloS one

Dual fatty acid synthase and HER2 signaling blockade shows marked antitumor activity against breast cancer models resistant to anti-HER2 drugs.

"MA5-11364 was used in western blot to study anti-tumor activity of breast cancer models resistant to anti-HER2 drugs due to a dual fatty acid synthase and HER2 signaling blockade"

Authors: Blancafort A, Giró-Perafita A, Oliveras G, Palomeras S, Turrado C, Campuzano Ò, Carrión-Salip D, Massaguer A, Brugada R, Palafox M, Gómez-Miragaya J, González-Suárez E, Puig T

Species
Not Applicable

Dilution
1:200

Year
2016

PloS one

Comparison of HER2 and phospho-HER2 expression between biopsy and resected breast cancer specimens using a quantitative assessment method.

"MA5-11364 was used in immunohistochemistry and western blot to study HER2 and phospho-HER2 levels in core needle biopsies and in resected breast cancer tissue"

Authors: Bai Y, Cheng H, Bordeaux J, Neumeister V, Kumar S, Rimm DL, Stern DF

Species
Human

Dilution
Not Cited

Year
2014

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

Immunohistochemistry (13)

BMC cancer

Quantitative measurements of HER2 and phospho-HER2 expression: correlation with pathologic response to neoadjuvant chemotherapy and trastuzumab.

"MA5-11364 was used in immunohistochemistry to study the predictive value of quantitative measurement of HER2 and phosphorylated HER2 in breast cancer patients receiving neoadjuvant chemotherapy and trastuzumab"

Authors: Cheng H, Bai Y, Sikov W, Sinclair N, Bossuyt V, Abu-Khalaf MM, Harris LN, Rimm DL

Species
Human

Dilution
1:100

Year
2014

Evidence-based complementary and alternative medicine : eCAM

Ganoderma tsugae Extract Inhibits Growth of HER2-Overexpressing Cancer Cells via Modulation of HER2/PI3K/Akt Signaling Pathway.

"MA5-11364 was used in immunohistochemistry, immunoprecipitation, and western blot to study the role of the HER2-PI3 kinase-Akt pathway in the inhibitory effects of a *Ganoderma tsugae* extract on the growth of cancer cells overexpressing HER2"

Authors: Kuo HP, Hsu SC, Ou CC, Li JW, Tseng HH, Chuang TC, Liu JY, Chen SJ, Su MH, Cheng YC, Chou WY, Kao MC

Species
Human

Dilution
Not Cited

Year
2013

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

More applications with references on thermofisher.com

[ICC \(2\)](#) [IP \(1\)](#) [Neu \(1\)](#) [Flow \(1\)](#) [ELISA \(1\)](#)

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