

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

Product Details	
Size	500 µL
Species Reactivity	Human, Rat
Published Species	Rat, Human, Mouse
Host/Isotype	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
Western Blot (WB)	Assay-dependent	32 Publications
Immunohistochemistry (IHC)	Assay-dependent	13 Publications
Immunocytochemistry (ICC/IF)	-	2 Publications
Flow Cytometry (Flow)	-	1 Publication
ELISA (ELISA)	-	1 Publication
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).

Western Blot (32)

<p>PloS one</p> <p>Dual fatty acid synthase and HER2 signaling blockade shows marked antitumor activity against breast cancer models resistant to anti-HER2 drugs.</p> <p>"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"</p> <p>Authors: Blancafort A,Giró-Perafita A,Oliveras G,Palomeras S,Turrado C,Campuzano Ó,Carrión-Salip D,Massaguer A,Brugada R,Palafox M,Gómez-Miragaya J,González-Suárez E,Puig T</p>	<p>Year 2016</p> <p>Dilution 1:200</p>
<p>PloS one</p> <p>Comparison of HER2 and phospho-HER2 expression between biopsy and resected breast cancer specimens using a quantitative assessment method.</p> <p>"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"</p> <p>Authors: Bai Y,Cheng H,Bordeaux J,Neumeister V,Kumar S,Rimm DL,Stern DF</p>	<p>Year 2014</p> <p>Species Human</p>

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

Immunohistochemistry (13)

<p>BMC cancer</p> <p>Quantitative measurements of HER2 and phospho-HER2 expression: correlation with pathologic response to neoadjuvant chemotherapy and trastuzumab.</p> <p>"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"</p> <p>Authors: Cheng H,Bai Y,Sikov W,Sinclair N,Bossuyt V,Abu-Khalaf MM,Harris LN,Rimm DL</p>	<p>Year 2014</p> <p>Species Human</p> <p>Dilution 1:100</p>
<p>Evidence-based complementary and alternative medicine : eCAM</p> <p>Ganoderma tsugae Extract Inhibits Growth of HER2-Overexpressing Cancer Cells via Modulation of HER2/PI3K/Akt Signaling Pathway.</p> <p>"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 Gandoderma tsugae extract on the growth of cancer cells overexpressing HER2"</p> <p>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</p>	<p>Year 2013</p> <p>Species Human</p>

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

More applications with references on thermofisher.com

ICC/IF (2) Flow (1) ELISA (1) IP (1) Neu (1)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.