

## Product Datasheet

### ERBB2 Antibody (orb1929061)

<b>Catalog Number</b>	orb1929061
<b>Category</b>	Antibodies
<b>Description</b>	Purified Rabbit Polyclonal Antibody (Pab)
<b>Target</b>	ERBB2
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Form/Appearance</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Immunogen</b>	This ErbB2 antibody is generated from rabbits immunized with human recombinant ErbB2 protein.
<b>UniProt ID</b>	<b>P04626</b>
<b>MW</b>	137910 Da
<b>Tested applications</b>	FC, IF, IHC-P, WB
<b>Dilution range</b>	IF - 1:10-50, WB - 1:1000, IHC-P-Leica - 1:500, FC - 1:10-50
<b>Antibody Type</b>	Primary Antibody

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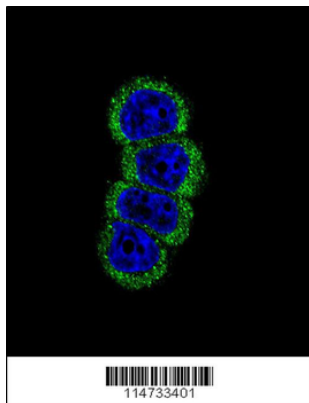
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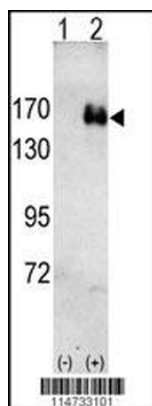
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<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
<b>Note</b>	For research use only
<b>NCBI</b>	<b>NP_001005862.1, NP_004439.2</b>
<b>Expiration Date</b>	12 months from date of receipt.



Confocal immunofluorescent analysis of ErbB2 antibody with MCF-7 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



Western blot analysis of HER2 (arrow) using rabbit polyclonal HER2 antibody. 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the HER2 gene (Lane 2).

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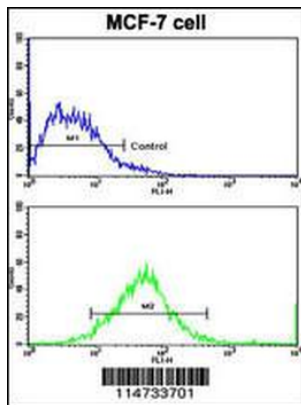
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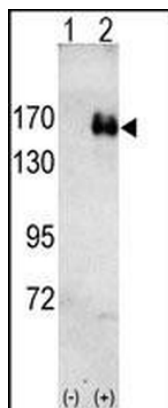
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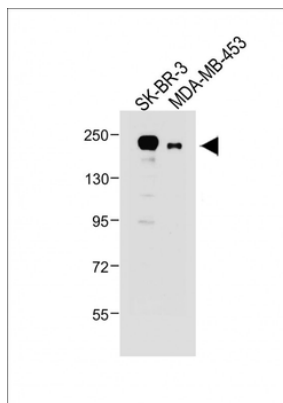
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Flow cytometric analysis of MCF-7 cells using HER2 Antibody (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Anti-HER2 Antibody at 1:1000 dilution + SK-BR-3 whole cell lysate. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 138 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes: Anti-HER2/ERBB2 Antibody at 1:1000 dilution. Lane 1: SK-BR-3 whole cell lysate. Lane 2: MDA-MB-453 whole cell lysate. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 138 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

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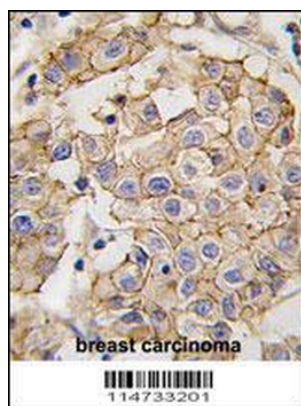
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Immunohistochemical analysis of paraffin-embedded Human breast carcinoma tissue was performed on the Leica BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9.0). Samples were incubated with primary antibody (1:500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.

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