

## Datasheet: AHP2603

<b>Description:</b>	RABBIT ANTI ErbB2 (pTyr877)
<b>Specificity:</b>	ErbB2 (pTyr877)
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µl

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/200 - 1/500

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
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<b>Product Form</b>	Purified IgG - liquid
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<b>Antiserum Preparation</b>	Antiserum to ErbB2 (pTyr877) was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
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<b>Buffer Solution</b>	Phosphate buffered saline
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<b>Preservative</b>	0.02% Sodium Azide
<b>Stabilisers</b>	50% Glycerol

<b>Immunogen</b>	Phospho specific-peptide corresponding to residues surrounding tyrosine 877 of human ErbB2
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### External Database Links

**UniProt:**  
[P04626](https://www.uniprot.org/entry/P04626)    [Related reagents](#)

**Entrez Gene:**

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<b>Synonyms</b>	HER2, MLN19, NEU, NGL
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<b>Specificity</b>	<p><b>Rabbit anti ErbB2 (pTyr877) antibody</b> recognizes ErbB2, also known as receptor tyrosine-protein kinase erbB-2, proto-oncogene Neu, tyrosine kinase-type cell surface receptor HER2 or CD340, when phosphorylated at tyrosine 877.</p> <p>ErbB2 is a member of the epidermal growth factor receptor (EGFR) family of receptor tyrosine kinases and plays a key role in cell proliferation and differentiation.</p> <p>ErbB2 heterodimerizes with other EGFR family members, however no specific ligand for ErbB2 has been identified (<a href="#">Yarden and Sliwkowski 2001</a>). Overexpression of ErbB2 in breast cancer is associated with poor prognosis.</p> <p>Phosphorylation of ErbB2 at tyrosine 877 is mediated by SRC (<a href="#">Xu et al. 2007</a>).</p>
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<b>Further Reading</b>	<ol style="list-style-type: none"><li>1. Yarden, Y. &amp; Sliwkowski, M.X. (2001) Untangling the ErbB signalling network. <a href="#">Nat Rev Mol Cell Biol. 2 (2): 127-37.</a></li><li>2. Xu, W. <i>et al.</i> (2007) Loss of Hsp90 association up-regulates Src-dependent ErbB2 activity. <a href="#">Mol Cell Biol. 27 (1): 220-8.</a></li></ol>
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<b>Storage</b>	<p>Store at -20°C</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10049 available at: 10049: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

### Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

**North & South America** Tel: +1 800 265 7376  
Fax: +1 919 878 3751

**Worldwide** Tel: +44 (0)1865 852 700  
Fax: +44 (0)1865 852 739

**Europe** Tel: +49 (0) 89 8090 95 21  
Fax: +49 (0) 89 8090 95 50

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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