

## Datasheet: AHP2601

<b>Description:</b>	RABBIT ANTI ErbB2 (pTyr1221/pTyr1222)
<b>Specificity:</b>	ErbB2 (pTyr1221/pTyr1222)
<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	▪			1/500 - 1/2000

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

**Target Species** Human

**Product Form** Purified IgG - liquid

**Antiserum Preparation** Antiserum to ErbB2 (pTyr1221/pTyr1222) was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

**Buffer Solution** Phosphate buffered saline

**Preservative** 0.02% Sodium Azide  
**Stabilisers** 50% Glycerol

**Immunogen** Phospho specific-peptide corresponding to residues surrounding tyrosine1221/tyrosine1222 of human ErbB2

**External Database Links** **UniProt:**

[P04626](#)   [Related reagents](#)

**Entrez Gene:**

[2064](#)   ERBB2   [Related reagents](#)

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**Synonyms**   HER2, MLN19, NEU, NGL

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**Specificity**   **Rabbit anti ErbB2 (pTyr1221/pTyr1222) antibody** 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 1221/tyrosine 1222.

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.

ErbB2 heterodimerizes with other EGFR family members, however no specific ligand for ErbB2 has been identified ([Yarden and Sliwkowski 2001](#)). Overexpression of ErbB2 in breast cancer is associated with poor prognosis.

ErbB2 is autophosphorylated at tyrosine 1221 and tyrosine 1222 ([Ren et al. 2002](#)).

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**Further Reading**

1. Yarden, Y. & Sliwkowski, M.X. (2001) Untangling the ErbB signalling network. [Nat Rev Mol Cell Biol. 2 \(2\): 127-37.](#)
2. Ren, Z. & Schaefer, T.S. (2002) ErbB-2 activates Stat3 alpha in a Src- and JAK2-dependent manner. [J Biol Chem. 277 \(41\): 38486-93.](#)

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**Storage**   Store at -20°C  
Storage in frost-free freezers is not recommended.  
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.

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**Guarantee**   12 months from date of despatch

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**Acknowledgements**   PrecisionAb is a trademark of Bio-Rad Laboratories

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**Health And Safety Information**   Material Safety Datasheet documentation #10049 available at: 10049: <https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf>

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**Regulatory**   For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

## Recommended Useful Reagents

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

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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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