

Datasheet: AHP2601

Description:	RABBIT ANTI ErbB2 (pTyr1221/pTyr1222)
Specificity:	ErbB2 (pTyr1221/pTyr1222)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	■			1/500 - 1/2000

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.

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 Stabilisers	0.02% Sodium Azide 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
Synonyms	HER2, MLN19, NEU, NGL
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](#)).

Western Blotting	Due to the presence of phosphoproteins in milk, the use of milk based blocking reagents is not recommended. 1% BSA in PBS or TBS Tween should be used instead.
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.
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.
Shelf Life	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10049 available at: 10049: https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf
Regulatory	For research purposes only

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
Sheep Anti Rabbit IgG (2AB02...)	Biotin
Sheep Anti Rabbit IgG (STAR36...)	DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800

Recommended Useful Reagents

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

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