

Datasheet: AHP2602

Description:	RABBIT ANTI ErbB2 (pTyr1248)
Specificity:	ErbB2 (pTyr1248)
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 (pTyr1248) 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 tyrosine 1248 of human ErbB2
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External Database Links

UniProt:

[P04626](http://www.uniprot.org/entry/P04626) [Related reagents](#)

Entrez Gene:

[2064](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=Gene&list_uids=2064) ERBB2 [Related reagents](#)

Synonyms	HER2, MLN19, NEU, NGL
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Specificity	Rabbit anti ErbB2 (pTyr1248) 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 1248.
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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 1248 and leads to activation of the MAPK pathway.

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.
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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