

## Datasheet: AHP2704

<b>Description:</b>	RABBIT ANTI EGF R (pTyr1045)
<b>Specificity:</b>	EGF R (pTyr1045)
<b>Other names:</b>	ERBB, HER1
<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

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 EGF R (pTyr1045) 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 1045 of human EGF R

**External Database Links**

**UniProt:**

**Entrez Gene:**

[1956](#) EGFR [Related reagents](#)

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**Synonyms**

ERBB1

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**Specificity**

**Rabbit anti EGF R (pTyr1045) antibody** recognizes the epidermal growth factor receptor (EGF R), also known as proto-oncogene c-ErbB-1 or receptor tyrosine-protein kinase erbB-1, when phosphorylated at tyrosine 1045. EGF R is a transmembrane glycoprotein and a member of the ErbB receptor tyrosine kinase family. EGF R plays a role in numerous cellular processes such as cell proliferation and apoptosis through the activation of downstream signaling pathways ([Scaltriti, M. & Baselga, J. 2006](#)). The E3 ubiquitin ligase, Cbl, binds to tyrosine 1045 upon its phosphorylation ([Levkowitz, G. et al. 1999](#)) and mediates its monoubiquitination, which results in receptor endocytosis followed by endosomal/lysosomal sorting ([Grøvdal, L.M. et al. 2004](#) and [Haglund, K. & Dikic, I. 2012](#)).

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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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**Health And Safety Information**

Material Safety Datasheet documentation #10049 available at:  
<https://www.bio-rad-antibodies.com/SDS/AHP2704>  
10049

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**Regulatory**

For research purposes only

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## Related Products

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

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