

Datasheet: AHP2704

BATCH NUMBER 147427

Description:	RABBIT ANTI EGF R (pTyr1045)
Specificity:	EGF R (pTyr1045)
Other names:	ERBB, HER1
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 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 Stabilisers	0.02% Sodium Azide 50% Glycerol
Immunogen	Phospho specific-peptide corresponding to residues surrounding tyrosine 1045 of human EGF R

**External Database
Links**

UniProt:

[P00533](#)

[Related reagents](#)

Entrez Gene:

[1956](#)

EGFR

[Related reagents](#)

Synonyms

ERBB1

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](#)).

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.

Guarantee

12 months from date of despatch

**Health And Safety
Information**

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

Regulatory

For research purposes only

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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Printed on 12 Aug 2023