

Datasheet: AHP2586

BATCH NUMBER 141548

Description:	RABBIT ANTI EGF R (pSer1046)
Specificity:	EGF R (pSer1046)
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 - 1/1000

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 (pSer1046) 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 serine1046 of human EGF R

External Database Links

UniProt:

[P00533](https://www.uniprot.org/uniprot/P00533)

[Related reagents](#)

Entrez Gene:

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

Synonyms	ERBB1
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Specificity	<p>Rabbit anti EGF R (pSer1046) 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 serine 1046. EGF R is a transmembrane glycoprotein and a member of the ErbB receptor tyrosine kinase family. EGFR is a cell surface receptor for members of the epidermal growth factor family.</p> <p>EGF R plays a role in numerous cellular processes such as cell proliferation and apoptosis through the activation of downstream signaling pathways (Scaltriti and Baselga 2006).</p> <p>EGF R is autophosphorylated at serine 1046 and serine 1047 upon ligand binding and receptor dimerization. Phosphorylation of serine 1046 and serine 1047 plays an important role in EGF R desensitization (Sun et al. 2010).</p>
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Further Reading	<ol style="list-style-type: none">1. Scaltriti, M. & Baselga, J. (2006) The epidermal growth factor receptor pathway: a model for targeted therapy. Clin Cancer Res. 12 (18): 5268-72.2. Sun, Q. et al. (2010) Additional serine/threonine phosphorylation reduces binding affinity but preserves interface topography of substrate proteins to the c-Cbl TKB domain. PLoS One. 5 (9): e12819.
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Storage	<p>Store at -20°C</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
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Guarantee	12 months from date of despatch
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Health And Safety Information	<p>Material Safety Datasheet documentation #10049 available at: https://www.bio-rad-antibodies.com/SDS/AHP2586</p> <p>10049</p>
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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](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Recommended Useful Reagents

TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

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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

'M360520:191126'

Printed on 12 Aug 2023

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