

## Datasheet: AHP2588

|                      |                             |
|----------------------|-----------------------------|
| <b>Description:</b>  | RABBIT ANTI EGF R (pThr669) |
| <b>Specificity:</b>  | EGF R (pThr669)             |
| <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 (pThr669) 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 threonine 669 of human EGF R

### External Database Links

**UniProt:**  
[P00533](#) [Related reagents](#)

**Entrez Gene:**  
[1956](#) EGFR [Related reagents](#)

**Synonyms** ERBB1

**Specificity** **Rabbit anti EGF R (pThr669) 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 threonine 669. EGF R is a transmembrane glycoprotein and a member of the

ErbB receptor tyrosine kinase family. EGF R is a cell surface receptor for members of the epidermal growth factor family.

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](#)).

EGF R is phosphorylated at threonine 669 by p38 MAPK which contributes to receptor internalization ([Winograd-Katz and Levitzki 2006](#)).

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|--------------------------------------|---|
| <b>Western Blotting</b>              | 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.  |
| <b>Further Reading</b>               | 1. Scaltriti, M. & Baselga, J. (2006) The epidermal growth factor receptor pathway: a model for targeted therapy. <a href="#">Clin Cancer Res. 12 (18): 5268-72.</a><br>2. Winograd-Katz, S.E. & Levitzki, A. (2006) Cisplatin induces PKB/Akt activation and p38(MAPK) phosphorylation of the EGF receptor. <a href="#">Oncogene 25 (56): 7381-90.</a> |
| <b>Storage</b>                       | Store at -20°C<br>Storage in frost-free freezers is not recommended.<br>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.  |
| <b>Shelf Life</b>                    | 12 months from date of despatch   |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10049 available at:<br>10049: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf</a>  |
| <b>Regulatory</b>                    | For research purposes only  |

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## 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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| <b>North &amp; South America</b> | Tel: +1 800 265 7376<br>Fax: +1 919 878 3751<br>Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a> | <b>Worldwide</b> | Tel: +44 (0)1865 852 700<br>Fax: +44 (0)1865 852 739<br>Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a> | <b>Europe</b> | Tel: +49 (0) 89 8090 95 21<br>Fax: +49 (0) 89 8090 95 50<br>Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a> |
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