

Datasheet: AHP1372

Description:	RABBIT ANTI HUMAN EGF RECEPTOR (C-TERMINAL)
Specificity:	EGF R (C-TERMINAL)
Other names:	EPIDERMAL GROWTH FACTOR RECEPTOR
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

Product Details

RRID AB_2095965

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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			2 - 5ug/ml
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	
Functional Assays			▪	

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.

(1)This product requires antigen retrieval using heat treatment prior to staining of paraffin sections.Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species Human

Product Form Purified IgG - liquid

Antiserum Preparation Antisera to human EGF R were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution Phosphate buffered saline

Preservative Stabilisers 0.1% Sodium Azide (NaN₃)

Approx. Protein Concentrations IgG concentration 0.1 mg/ml

Immunogen Synthetic Peptide corresponding to the C-Terminal domain of Human EGF R, conjugated to Keyhole Limpet Hemocyanin (KLH).

External Database Links

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

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

Synonyms ERBB1

Specificity

Rabbit anti Human EGF receptor antibody recognizes an epitope on the C-Terminal domain of Human Epidermal Growth Factor Receptor (EGFR, EGR-R), a ~175 kDa transmembrane glycoprotein belonging to the ErbB receptor tyrosine kinase family. EGFR is the cell surface receptor for members of the EGF family, and functions in early embryonic development and in the renewal of stem cells in tissues such as the skin, liver and gut.

EGFR is over expressed in a high proportion of breast cancer cells and in a range of other carcinomas, high level expression of EGFR is often associated with advanced disease and poor prognosis.

Mutations to EGFR have been found in many human carcinomas including breast, brain, lung, and colon. Over-expression of more than one member of the ErbB family was found to have a negative synergistic effect on patient outcome.

Histology Positive Control Tissue

Ovarian or breast carcinoma

References

1. Moura, V. *et al.* (2012) Targeted and intracellular triggered delivery of therapeutics to cancer cells and the tumor microenvironment: impact on the treatment of breast cancer. [Breast Cancer Res Treat. 133: 61-73.](#)

Storage

Store at +4°C or at -20°C if preferred.
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

18 months from date of despatch.

Health And Safety Information

Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

[HISTAR DETECTION SYSTEM \(STAR3000A\)](#)
[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)
[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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