

Datasheet: AHP1243

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

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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/8000 - 1/32000
Immunoprecipitation			▪	
Western Blotting	▪			1/500 - 1/5000
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.

Target Species	Human
Species Cross Reactivity	Reacts with: Rat, Mouse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to EGF receptor were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.01% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Synthetic peptide corresponding to amino acids 1189-1199 of human EGF receptor protein.

External Database Links	UniProt: P00533 Related reagents Entrez Gene: 1956 EGFR Related reagents
Synonyms	ERBB1
RRID	AB_844606
Specificity	<p>Rabbit anti Human epidermal growth factor receptor antibody recognizes human epidermal growth factor receptor (EGFR), also known as Proto-oncogene c-ErbB-1. EGFR is a 1210 amino acid single pass type 1 ~170 kDa transmembrane glycoprotein which is a member of the ErbB family of receptor tyrosine kinases. 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 (Nautiyal et al. 2010).</p> <p>Mutations to EGFR have been found in many human carcinomas including breast, brain, lung, and colon(Garcia de Palazzo et al. 1993).</p>
Western Blotting	AHP1243 detects a band of approximately 170kDa in A431 cell lysates.
Further Reading	<ol style="list-style-type: none"> 1. Sebastian, S. <i>et al.</i> (2006) The complexity of targeting EGFR signalling in cancer: from expression to turnover. Biochim Biophys Acta. 1766 (1): 120-39. 2. Carpenter, G. & Cohen, S. (1990) Epidermal growth factor. J Biol Chem. 265 (14): 7709-12. 3. Normanno, N. <i>et al.</i> (2006) Epidermal growth factor receptor (EGFR) signaling in cancer. Gene. 366 (1): 2-16.
Storage	<p>Store at +4°C or at -20°C if preferred.</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>
Guarantee	12 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 (STAR36...) [DyLight@488](#), [DyLight@680](#), [DyLight@800](#)

Recommended Useful Reagents

TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

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