

Datasheet: AHP2046

Description:	RABBIT ANTI HUMAN AMPHIREGULIN
Specificity:	AMPHIREGULIN
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	▪			10ug/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.

Target Species	Human
Species Cross Reactivity	Based on sequence similarity, is expected to react with: Mouse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antiserum to human Amphiregulin was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative	0.05% Sodium Azide (NaN ₃)
Stabilisers	0.2% Bovine Serum Albumin
Approx. Protein Concentrations	Total protein concentration 0.2mg/ml
Immunogen	Synthetic peptide sequence corresponding to amino acids 8-26 of Human amphiregulin.

**External Database
Links**

UniProt:

[P15514](#) [Related reagents](#)

Entrez Gene:

[727738](#) AREGB [Related reagents](#)

Synonyms

SDGF

Specificity

Rabbit anti Human Amphiregulin antibody recognizes human amphiregulin, also known as colorectum cell derived growth factor or CRDGF> Amphiregulin is a 252 amino acid ~28 kDa single pass transmembrane glycoprotein and ligand for the EGF receptor ([Plowman *et al* 1990](#)) as a mature 84 amino acid protein.

Amphiregulin has also been identified as homologous to shwannoma - derived growth factor, identified from a shwannoma derived cell line JS1 ([Kimura *et al.* 1990](#)).

Immunohistology

This product does not require protein digestion pre-treatment of paraffin sections. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections.

**Histology Positive
Control Tissue**

Human adrenal gland

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.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet documentation #10041 available at:
10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR54...) [HRP](#)

Recommended Useful Reagents

[HISTAR DETECTION SYSTEM \(STAR3000A\)](#)

[HISTAR DETECTION SYSTEM \(STAR3000B\)](#)

[HISTAR DETECTION SYSTEM \(STAR3000C\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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