

Datasheet: AHP1006

Description:	RABBIT ANTI AES (C-TERMINAL)
Specificity:	AES (C-TERMINAL)
Other names:	AMINO-TERMINAL ENHANCER OF SPLIT, GRG
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

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			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1ug/ml

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: Mouse, Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Antiserum Preparation

Antisera to Human AES (CT) were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers	0.02% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	A 16 amino acid peptide located near human AES carboxy-terminus.
External Database Links	<p>UniProt: Q08117 Related reagents</p> <p>Entrez Gene: 166 AES Related reagents</p>
Synonyms	GRG
RRID	AB_609555
Specificity	<p>Rabbit anti Human AES1 (C-terminal) antibody recognizes an epitope within the C-Terminal region (CT) of the 197-amino acid protein AES (amino-Terminal enhancer of split), a member of the Groucho/transducin-like enhancer of split (TLE) family of transcriptional regulators, homologous to the amino-Terminal domain of <i>Drosophila</i> Groucho protein.</p> <p>The detachment of integrin from the extracellular matrix (ECM), results in loss of cell adhesion and cell death, termed anoikis. This type of apoptosis is controlled by integrin-mediated signaling pathways and that the mitochondrial protein Bit1 (Bcl-2 inhibitor of transcription), released into the cytoplasm during apoptosis, forms a complex with AES, to induce cell death. The effects of the interaction between Bit1 and AES can be counteracted by the attachment of cells to fibronectin through integrin α5β1.</p>
Western Blotting	AHP1006 detects a band of approximately 22kDa in human 293 cell lysates
Further Reading	<ol style="list-style-type: none"> 1. Miyasaka, H. <i>et al.</i> (1993) Molecular cloning and expression of mouse and human cDNA encoding AES and ESG proteins with strong similarity to <i>Drosophila</i> enhancer of split groucho protein. Eur. J. Biochem. 216: 343-352. 2. Jan, Y. <i>et al.</i> (2004) A mitochondrial protein, Bit1, mediates apoptosis regulated by integrins and Groucho/TLE corepressors. Cell. 116: 751-762. 3. Tetsuka, T. <i>et al.</i> (2000) Inhibition of nuclear factor-kappaB-mediated transcription by association with the amino-terminal enhancer of split, a Groucho-related protein lacking WD40 repeats*. J. Biol. Chem. 275: 4383-4390.
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 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 (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

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

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