

AES Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP14115b**Specification**

AES Antibody (C-term) Blocking peptide - Product Information

Primary Accession [Q08117](#)

AES Antibody (C-term) Blocking peptide - Additional Information

Gene ID 166

Other Names

Amino-terminal enhancer of split, Amino enhancer of split, Gp130-associated protein GAM, Grg-5, Groucho-related protein 5, Protein ESP1, Protein GRG, AES, GRG, GRG5

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP14115b was selected from the C-term region of AES. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

AES Antibody (C-term) Blocking peptide - Protein Information

Name TLE5 ([HGNC:307](#))

Synonyms AES, GRG, GRG5

Function

Transcriptional corepressor. Acts as a dominant repressor towards other family members. Inhibits NF-kappa-B-regulated gene expression. May be required for the initiation and maintenance of the differentiated state. Essential for the transcriptional repressor activity of SIX3 during retina and lens development.

Cellular Location

Nucleus.

Tissue Location

Found predominantly in muscle, heart and Placenta. In fetal tissues, abundantly expressed in the

heart, lung, kidney, brain and liver

AES Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

AES Antibody (C-term) Blocking peptide - Images

AES Antibody (C-term) Blocking peptide - Background

The protein encoded by this gene is similar in sequence to the amino terminus of Drosophila enhancer of split groucho, a protein involved in neurogenesis during embryonic development. The encoded protein, which belongs to the groucho/TLE family of proteins, can function as a homooligomer or as a heterooligomer with other family members to dominantly repress the expression of other family member genes. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq].

AES Antibody (C-term) Blocking peptide - References

Zhang, Y., et al. Biochem. J. 427(3):499-511(2010) Beagle, B., et al. PLoS ONE 5 (7), E11821 (2010)
:Arce, L., et al. BMC Cancer 9, 159 (2009) :Zhang, X., et al. J. Neurosci. Res. 86(11):2423-2431(2008) Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :