

AES Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14115b**Specification**

AES Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q08117
Other Accession	NP_001121.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	21970
Antigen Region	156-184

AES Antibody (C-term) - 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

This AES antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 156-184 amino acids from the C-terminal region of human AES.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

AES Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

AES Antibody (C-term) - 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

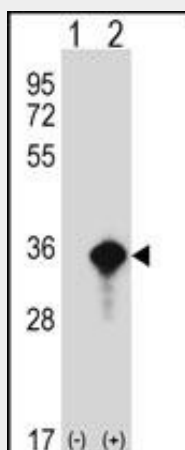
Found predominantly in muscle, heart and Placenta. In fetal tissues, abundantly expressed in the heart, lung, kidney, brain and liver

AES Antibody (C-term) - Protocols

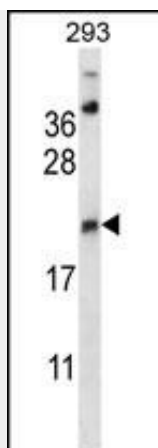
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

AES Antibody (C-term) - Images



Western blot analysis of AES (arrow) using rabbit polyclonal AES Antibody (C-term) (Cat. #AP14115b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the AES gene.



AES Antibody (C-term) (Cat. #AP14115b) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the AES antibody detected the AES protein (arrow).

AES Antibody (C-term) - 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) - 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) :