

Rabbit Amino-terminal enhancer of split Polyclonal Antibody | anti-AES antibody

Amino-terminal enhancer of split Antibody

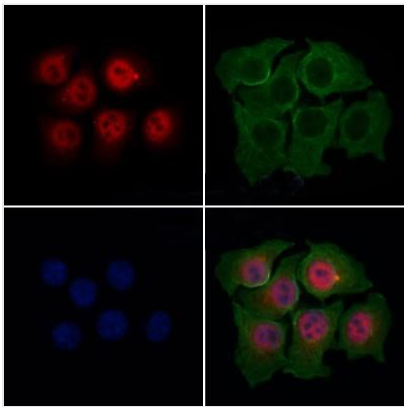
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31249	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Sheep(100%), Xenopus(86%)	ELISA

PRODUCT SYNONYMS

Amino-terminal enhancer of split; Polyclonal Antibody; Amino-terminal enhancer of split Antibody; Aes 1; Aes 2; aes; AES_HUMAN; Aes1; Aes2; Amino enhancer of split; Amino terminal enhancer of split; Esp 1; Esp1; Gp130 associated protein GAM; Gp130-associated protein GAM; GRG 5; GRG; GRG protein; Grg-5; GRG5; Groucho-related protein 5; Protein ESP 1; Protein ESP1; Protein GRG; TLE 5; TLE5; anti-AES antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Sheep(100%), Xenopus(86%)
Clonality	Polyclonal
Isotype	IgG
Specificity	Amino-terminal enhancer of split Antibody detects endogenous levels of total Amino-terminal enhancer of split.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	197
Applicable Applications for anti-AES antibody	ELISA
Application Notes	IF: 1:100-1:500 ICC: 1:100-1:500 WB: 1:500-1:2000 IHC: 1:50-1:200 ELISA(peptide): 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human Amino-terminal enhancer of split, corresponding to a region within N-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



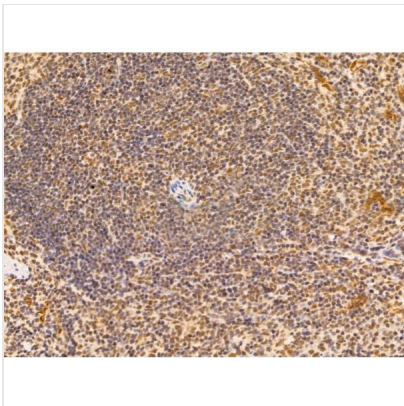
IF (Immunofluorescence)

AAA31249 staining HepG2 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA31249 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



IHC (Immunohistochemistry-Paraffin)

AAA31249 at 1/100 staining Mouse heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



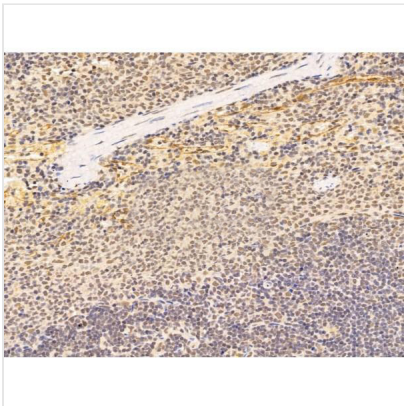
IHC (Immunohistochemistry-Paraffin)

AAA31249 at 1/100 staining Mouse spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



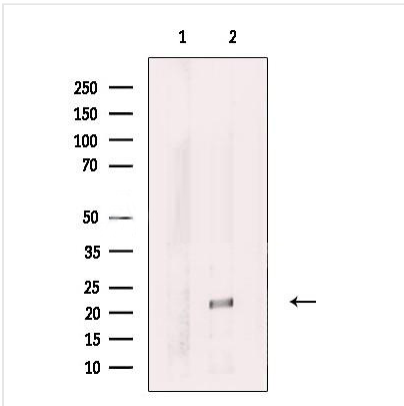
IHC (Immunohistochemistry-Paraffin)

AAA31249 at 1/100 staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31249 at 1/100 staining Rat spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Jurkat, using Amino-terminal enhancer of split Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-AES antibody	Function: Transcriptional corepressor. Acts as 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. Post Translational Modifications: Ubiquitinated by XIAP/BIRC4. Subcellular Location: Nucleus. Tissue Specificity: Found predominantly in muscle, heart and Placenta. In fetal tissues, abundantly expressed in the heart, lung, kidney, brain and liver. Subunit Structure: Homooligomer and heterooligomer with other family members. Binds TCF7 (By similarity). Binds the NF-kappa-B subunit RELA. Interacts with PHF12. Interacts (via Q domain) with SIX3. Interacts with SIX6. Similarity: Lacks the C-terminal WD repeats.Belongs to the WD repeat Groucho/TLE family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5706731
NCBI GeneID	166
NCBI Accession #	NP_001121.2
NCBI GenBank Nucleotide #	NP_001121.2
UniProt Accession #	Q08117
Molecular Weight	Observed Molecular Weight: (Observed)21kD. Predicted Molecular Weight: (Calculated)22kDa.
NCBI Official Full Name	TLE family member 5 isoform b
NCBI Official Synonym Full Names	TLE family member 5, transcriptional modulator
NCBI Official Symbol	TLE5
NCBI Official Synonym Symbols	AES; GRG; ESP1; GRG5; AES-1; AES-2; Grg-5
NCBI Protein Information	TLE family member 5
UniProt Protein Name	Amino-terminal enhancer of split
UniProt Gene Name	AES
UniProt Synonym Gene Names	GRG; GRG5; Amino enhancer of split
UniProt Entry Name	AES_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/amino-terminal-enhancer-of-split-antibody-elisa/31249>