

Rabbit TLE1 Polyclonal Antibody | anti-TLE1 antibody

TLE1 Antibody

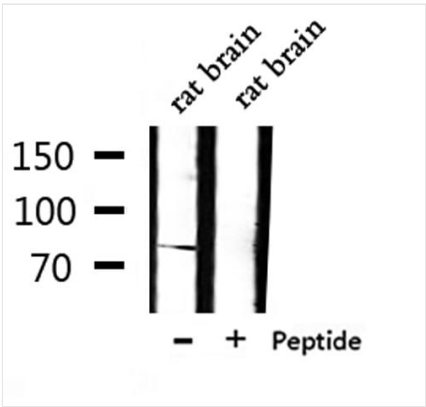
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327081	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

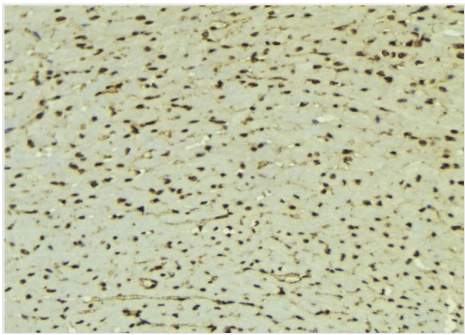
TLE1; Polyclonal Antibody; TLE1 Antibody; E(Sp1) homolog; Enhancer of split groucho 1; Enhancer of split groucho like protein 1; Enhancer of split groucho-like protein 1; ESG; ESG1; GRG1; TLE1_HUMAN; Transducin like enhancer of split 1 (E(sp1) homolog Drosophila); Transducin like enhancer of split 1; Transducin like enhancer of split 1 homolog of Drosophila E(sp1); Transducin like enhancer protein 1; Transducin-like enhancer protein 1; anti-TLE1 antibody

PRODUCT SPECIFICATIONS

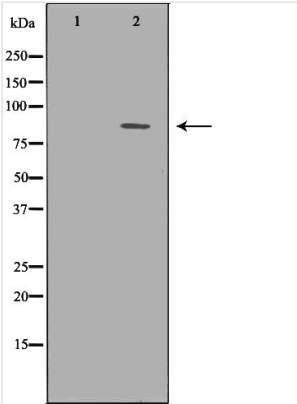
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TLE1 antibody detects endogenous levels of total TLE1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	780
Applicable Applications for anti-TLE1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TLE1
Subcellular Location	Nucleus. Nuclear and chromatin-associated, depending on isoforms and phosphorylation status. Hyperphosphorylation decreases the affinity for nuclear components.
Tissue Specificity	In all tissues examined, mostly in brain, liver and muscle.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (80%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from rat brain, using TLE1 Antibody.



IHC (Immunohistochemistry)
AAA327081 at 1/100 staining Mouse muscle 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 antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of 293T whole cell lysates, using TLE1 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-TLE1 antibody	Function: Transcriptional corepressor that binds to a number of transcription factors. Inhibits NF-kappa-B-regulated gene expression. Inhibits the transcriptional activation mediated by FOXA2, and by CTNNB1 and TCF family members in Wnt signaling. The effects of full-length TLE family members may be modulated by association with dominant-negative AES. Unusual function as coactivator for ESRRG. Subunit Structure: Homooligomer and heterooligomer with other family members. Binds LEF1, RUNX1, RUNX3, FOXA2, KDM6A, UTY, histone H3, HESX1, ESRRG and the NF-kappa-B subunit RELA. Interacts with HES1 (via WRPW motif). Interacts with SIX3. Interacts with EFN1. Post-translational Modifications: Phosphorylated, probably by CDK1. The degree of phosphorylation varies throughout the cell cycle, and is highest at the G2/M transition. Becomes hyperphosphorylated in response to cell differentiation and interaction with HES1 or RUNX1. Ubiquitinated by XIAP/BIRC4. Similarity: WD repeat Groucho/TLE family members are characterized by 5 regions, a glutamine-rich Q domain, a glycine/proline-rich GP domain, a central CcN domain, containing a nuclear localization signal, and a serine/proline-rich SP domain. The most highly conserved are the N-terminal Q domain and the C-terminal WD-repeat domain. Belongs to the WD repeat Groucho/TLE family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	733605268
NCBI GeneID	7088
NCBI Accession #	NP_001290032.1
NCBI GenBank Nucleotide #	NM_001303103.1

UniProt Accession #	Q04724 ; Q5T3G4 ; Q969V9 ; A8K495
Molecular Weight	Observed: 83 kDa Predicted: 84 kDa
NCBI Official Full Name	transducin-like enhancer protein 1 isoform 1
NCBI Official Synonym Full Names	transducin like enhancer of split 1
NCBI Official Symbol	TLE1
NCBI Official Synonym Symbols	ESG; ESG1; GRG1
NCBI Protein Information	transducin-like enhancer protein 1
UniProt Protein Name	Transducin-like enhancer protein 1
UniProt Gene Name	TLE1
UniProt Synonym Gene Names	ESG1

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/tle1-antibody-immunohistochemistry-western-blot-elisa/327081>