



TLE1/2/3/4 Polyclonal Antibody

Catalog No	YP-Ab-10582
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA;IHC
Gene Name	
Immunogen	The antiserum was produced against synthesized peptide derived from the C-terminal region of human TLE1/TLE2/TLE3/TLE4. AA range:721-770
Specificity	TLE1/2/3/4 Polyclonal Antibody detects endogenous levels of TLE1/2/3/4
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	E(Sp1) homolog;ESG;ESG1;GRG1;TLE1;TLE1/2/3/4;similar to transducin-like enhancer of split 1/2/3/4
Observed Band	90kD
Calculated Molecular Weight	90kD
Cell Pathway	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.
Function	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.,PTM:Phosphorylated, probably by CDC2. 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.,similarity:Belongs to the WD repeat Groucho/



TLE family.,similarity:Contains 6 WD repeats.,subcellular location:Nuclear and chromatin-associated, depending on isoforms and phosphorylation status. Hyperphosphorylation decreases the affinity for nuclear components.,

Background

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.,PTM:Phosphorylated, probably by CDC2. 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.,similarity:Belongs to the WD repeat Groucho/TLE family.,similarity:Contains 6 WD repeats.,subcellular location:Nuclear and chromatin-associated, depending on isoforms and phosphorylation status. Hyperphosphorylation decreases the affinity for nuclear components., subunit: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)., tissue specificity:In all tissues examined, mostly in brain, liver and muscle.,

matters needing attention

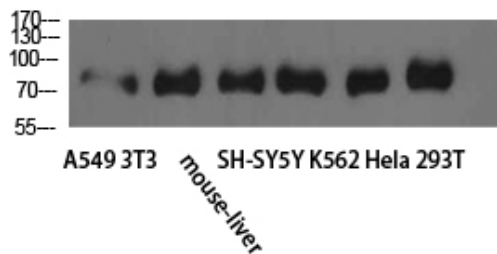
Avoid repeated freezing and thawing!

Usage suggestions

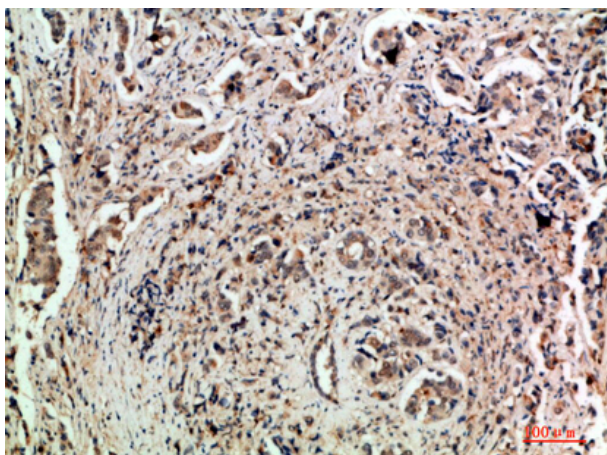
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



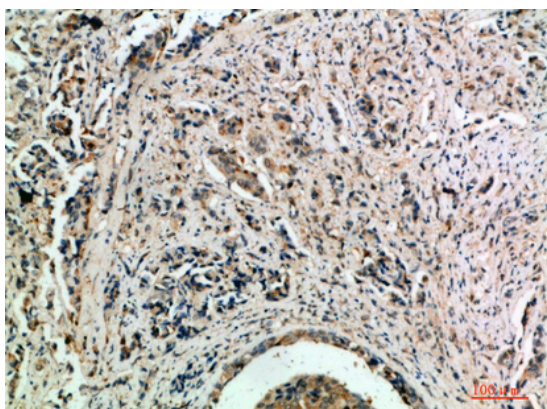
Products Images



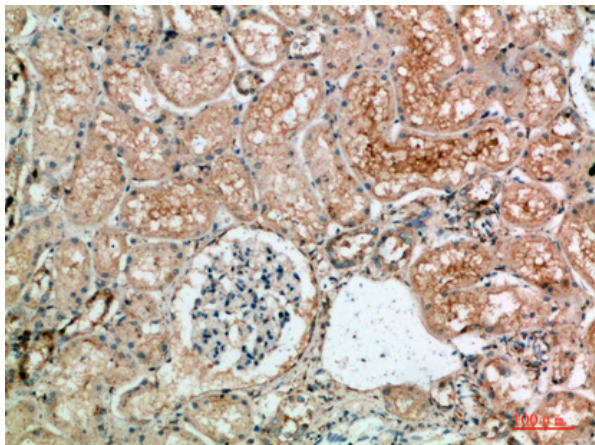
Western Blot analysis of A549 3T3 mouse-liver SH-SY5Y K562 HeLa 293T cells using TLE1/2/3/4 Polyclonal Antibody diluted at 1:2000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



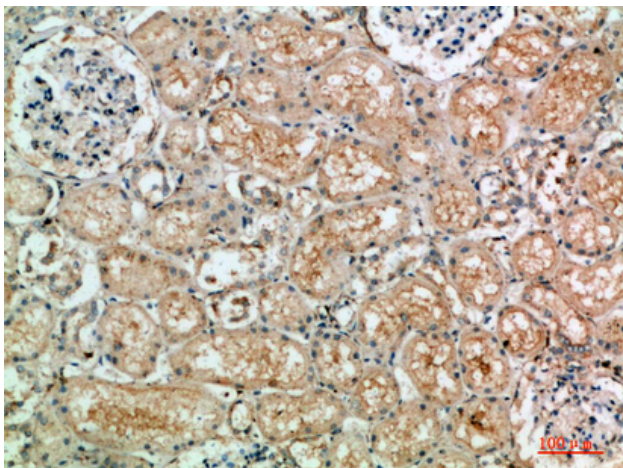
Immunohistochemical analysis of paraffin-embedded human-breast-cancer, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-breast-cancer, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:200

