

TLE4 Antibody (Center)

Mouse Monoclonal Antibody (Mab) Catalog # AM2017b

Product Information

Application WB, E Primary Accession Q04727

Other Accession <u>Q07141, Q62441, NP 008936.2</u>

Reactivity Human
Predicted Mouse, Rat
Host Mouse
Clonality Monoclonal

Isotype IgM

Clone Names 384CT24.1.3.4

Calculated MW 83755 **Antigen Region** 262-290

Additional Information

Gene ID 7091

Other Names Transducin-like enhancer protein 4, Grg-4, Groucho-related protein 4, TLE4,

GRG4, KIAA1261

Target/SpecificityThis TLE4 antibody is generated from mice immunized with a KLH conjugated

synthetic peptide between 262-290 amino acids from the Central region of

human TLE4.

Dilution WB~~1:500~1000 E~~Use at an assay dependent concentration.

Format Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This

antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation

followed by dialysis against PBS.

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 TLE4 Antibody (Center) is for research use only and not for use in diagnostic

or therapeutic procedures.

Protein Information

Name TLE4

Synonyms GRG4, KIAA1261

Function

Transcriptional corepressor that binds to a number of transcription factors. Inhibits the transcriptional activation mediated by PAX5, 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. Essential for the transcriptional repressor activity of SIX3 during retina and lens development and for SIX3 transcriptional auto-repression (By similarity). Involved in transcriptional repression of GNRHR and enhances MSX1-mediated transcriptional repression of CGA/alpha-GSU (By similarity).

Cellular Location Nucleus.

Tissue Location In all tissues examined, mostly in brain, and muscle

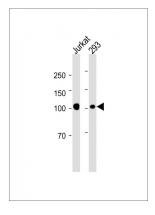
Background

Transcriptional corepressor that binds to a number of transcription factors. Inhibits the transcriptional activation mediated by PAX5, 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 (By similarity).

References

Liu, Y., et al. PLoS Genet. 5 (11), E1000707 (2009): Hancock, D.B., et al. PLoS Genet. 5 (8), E1000623 (2009): Stolk, L., et al. Nat. Genet. (2009) In press: Dayyani, F., et al. Blood 111(8):4338-4347(2008) Heimbucher, T., et al. Mol. Cell. Biol. 27(1):340-351(2007)

Images



All lanes: Anti-TLE4 Antibody (Center) at 1:1000 dilution Lane 1: Jurkat whole cell lysate Lane 2: 293 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Mouse IgG, (H+L), Peroxidase conjugated (ASP1613) at 1/8000 dilution. Observed band size: 100 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.