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# TLE4 Antibody (Center)(Ascites)

Mouse Monoclonal Antibody (Mab)
Catalog # AM2017a

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | Q04727 |
| **Other Accession** | Q07141, Q62441, NP_008936.2 |
| **Reactivity** | Human |
| **Predicted** | Mouse, Rat, Bovine, Canine, Rabbit, Chicken |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype** | IgM |
| **Clone Names** | 384CT24.1.3.4 |
| **Calculated MW** | 83755 |
| **Antigen Region** | 262-290 |

## Additional Information

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| **Gene ID** | 7091 |
| **Other Names** | Transducin-like enhancer protein 4, Grg-4, Groucho-related protein 4, TLE4, GRG4, KIAA1261 |
| **Target/Specificity** | This 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~~1:100~3200 E~~Use at an assay dependent concentration. |
| **Format** | Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide. |
| **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)(Ascites) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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|---|---|
| **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

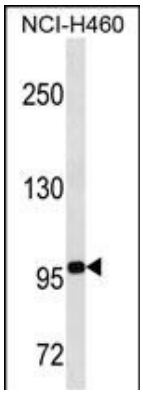
## Background

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




TLE4 Antibody (Center) (Cat. #AM2017a) western blot analysis in NCI-H460 cell line lysates (35µg/lane).This demonstrates the TLE4 antibody detected the TLE4 protein (arrow).

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