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Anti-TLE4 Antibody

Catalog # AP51567

Product Information

Application	WB, IHC
Primary Accession	Q04727
Reactivity	Human, Mouse, Rat, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	83755

Additional Information

Gene ID	7091
Other Names	KIAA1261; Transducin-like enhancer protein 4
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human TLE4. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

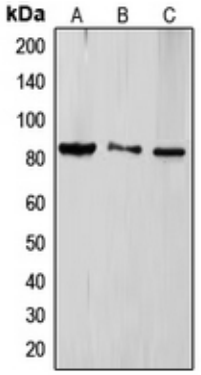
Protein Information

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

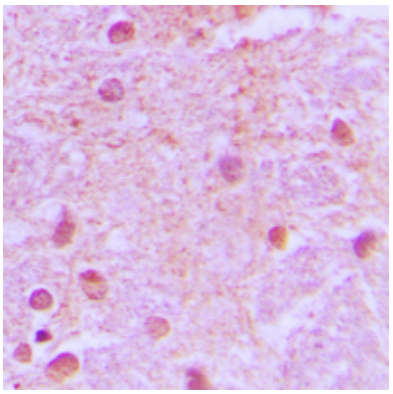
References

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Humphray S.J.,et al.Nature 429:369-374(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Stifani S.,et al.Nat. Genet. 2:119-127(1992).
Olsen J.V.,et al.Cell 127:635-648(2006).

Images



Western blot analysis of TLE4 expression in HeLa (A), Jurkat (B), HEK293T (C) whole cell lysates. (Predicted band size: 83 kD; Observed band size: 84 kD)



Immunohistochemical analysis of TLE4 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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