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TSC22D4 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI10169

Product Information

Application	WB, IHC
Primary Accession	Q9Y3Q8
Other Accession	NM_030935, NP_112197
Reactivity	Human, Rat, Dog
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41026

Additional Information

Gene ID	81628
Alias Symbol	THG1, THG-1, TILZ2
Other Names	TSC22 domain family protein 4, TSC22-related-inducible leucine zipper protein 2, Tsc-22-like protein THG-1, TSC22D4, THG1, TILZ2
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 100 ul of distilled water. Final anti-TSC22D4 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	TSC22D4 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TSC22D4 (HGNC:21696)
Function	Binds DNA and acts as a transcriptional repressor (PubMed: 10488076). Involved in the regulation of systematic glucose homeostasis and insulin sensitivity, via transcriptional repression of downstream insulin signaling targets such as OBP2A/LCN13 (By similarity). Acts as a negative regulator of lipogenic gene expression in hepatocytes and thereby mediates the control of very low-density lipoprotein release (PubMed:23307490). May play a role in neurite elongation and survival (By similarity).
Cellular Location	Nucleus {ECO:0000250|UniProtKB:Q9EQN3}. Cytoplasm {ECO:0000250|UniProtKB:Q9EQN3}. Cell projection, dendrite

	{ECO:0000250|UniProtKB:Q9EQN3}. Synapse {ECO:0000250|UniProtKB:Q9EQN3} Note=Localizes away from the nucleus to neurite processes and synaptic termini as cerebellar granular neurons differentiate (By similarity) Accumulates in the cytoplasm of differentiated Purkinje cells (By similarity). Localized to both the cytoplasm and nucleus in immature cerebellar granular neurons and atrophic Purkinje cells (By similarity). {ECO:0000250|UniProtKB:Q9EQN3}
Tissue Location	Expressed in the liver.

References

Scherer,S.W., et al., (2003) Science 300 (5620), 767-772Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.Publications:Canterini, S., Bosco, A., De Matteis, V., Mangia, F. & Fiorenza, M. T. THG-1pit moves to nucleus at the onset of cerebellar granule neurons apoptosis. Mol. Cell. Neurosci. 40, 249-57 (2009). WB, Human, Guinea pig, Dog, Rat19084601Canterini, S. et al. Subcellular TSC22D4 localization in cerebellum granule neurons of the mouse depends on development and differentiation. Cerebellum 11, 28-40 (2012). WB, IHC, Human, Guinea pig, Dog, Rat20878296

Images

