10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TSC22D4 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10169

Specification

TSC22D4 antibody - N-terminal region - 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	**41kDa KDa**

TSC22D4 antibody - N-terminal region - 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.

TSC22D4 antibody - N-terminal region - 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).

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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.

TSC22D4 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture