

Tsc22d4 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI11186**Specification**

Tsc22d4 antibody - N-terminal region - Product Information

Application	IHC, WB
Primary Accession	O9EQN3
Other Accession	NM_023910 , NP_076399
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog
Predicted Host	Human, Mouse, Rat, Rabbit, Bovine, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 43kDa KDa

Tsc22d4 antibody - N-terminal region - Additional Information**Gene ID** 78829

Alias Symbol **0610009M14Rik, 1700023B23Rik, Thg-1pit, Tilz2, AI415410**

Other Names

TSC22 domain family protein 4, TSC22-related-inducible leucine zipper protein 2, Thg-1pit, Tsc22d4, Thg1pit, 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 {ECO:0000250|UniProtKB:Q9Y3Q8}

Function

Binds DNA and acts as a transcriptional repressor (PubMed:27827363). Involved in the regulation of systematic glucose homeostasis and insulin sensitivity, via transcriptional repression of downstream insulin signaling targets such as OBP2A/LCN13 (PubMed:27827363). 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 (PubMed:20878296).

Cellular Location

Nucleus. Cytoplasm. Cell projection, dendrite. Synapse Note=Localizes away from the nucleus to neurite processes and synaptic termini as cerebellar granular neurons differentiate (PubMed:20878296) Accumulates in the cytoplasm of differentiated Purkinje cells (PubMed:20878296). Localized to both the cytoplasm and nucleus in immature cerebellar granular neurons and atrophic Purkinje cells (PubMed:20878296).

Tissue Location

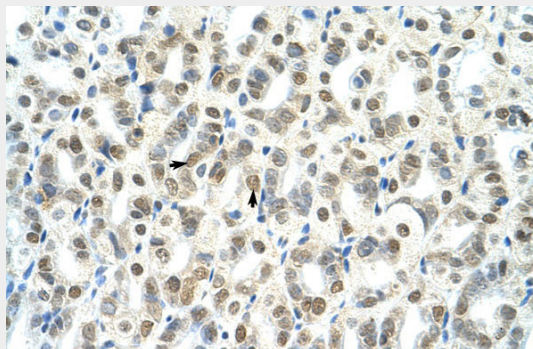
Expressed in the liver (at protein level) (PubMed:23307490, PubMed:27827363). Expressed in Purkinje cells and proliferating cerebellar granular neurons (at protein level) (PubMed:20878296). Expressed in the cortex, medulla and papilla of the kidney.

Tsc22d4 antibody - N-terminal region - Protocols

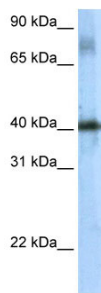
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Tsc22d4 antibody - N-terminal region - Images



Mouse stomach



WB Suggested Anti-Tsc22d4 Antibody Titration: 5.0µg/ml
Positive Control: SP2/0 cell lysate

Tsc22d4 antibody - N-terminal region - References

Canterini, S., (2005) Dev. Dyn. 234 (3), 689-697 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. Publications: Canterini, S., Carletti, V., Nusca, S., Mangia, F. & Fiorenza, M. T. Multiple TSC22D4 iso-/phospho-glycoforms display idiosyncratic subcellular localizations and interacting protein partners. FEBS J. 280, 1320-9 (2013). WB, IP, Rat, Mouse, Pig, Guinea pig, Human, H, Rabbit, Bovine, Dog 23305244