

TBC1D24 (h): 293T Lysate: sc-111978

BACKGROUND

TBC1D24 (TBC1 domain family member 24) is a 559 amino acid cytoplasmic protein that may act as a GTPase-activating protein for Rab family proteins and exists as two alternatively spliced isoforms. TBC1D24 contains one Rab-GAP TBC domain, one TLD domain and interacts with ARF6. Involved in neuronal projection development, probably through a negative modulation of ARF6 function, TBC1D24 is highly expressed in brain. TBC1D24 is also expressed in testis, skeletal muscle, heart, kidney, lung and liver. Defects in the TBC1D24 gene are the cause of familial infantile myoclonic epilepsy (FIME), which is characterized as a subtype of idiopathic epilepsy starting in early infancy and manifesting as myoclonic seizures, febrile convulsions and tonic-clonic seizures. The gene that encodes TBC1D24 contains 28,353 bases and maps to human chromosome 16p13.3.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TBC1D24 (human) mapping to 16p13.3.

PRODUCT

TBC1D24 (h): 293T Lysate represents a lysate of human TBC1D24 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

APPLICATIONS

TBC1D24 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive TBC1D24 antibodies. Recommended use: 10-20 µl per lane.

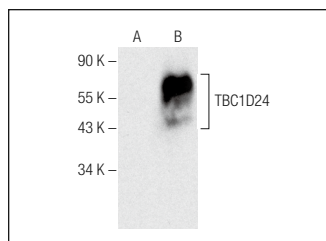
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

TBC1D24 (D-5): sc-390377 is recommended as a positive control antibody for Western Blot analysis of enhanced human TBC1D24 expression in TBC1D24 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

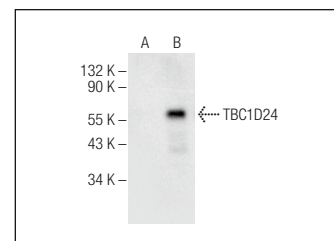
RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:
1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



TBC1D24 (D-5): sc-390377. Western blot analysis of TBC1D24 expression in non-transfected: sc-117752 (A) and human TBC1D24 transfected: sc-111978 (B) 293T whole cell lysates.



TBC1D24 (G-6): sc-390237. Western blot analysis of TBC1D24 expression in non-transfected: sc-117752 (A) and human TBC1D24 transfected: sc-111978 (B) 293T whole cell lysates.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.