

TBC1D3C (h): 293T Lysate: sc-117362

BACKGROUND

GTPase-activating proteins (GAPs) accelerate the intrinsic rate of GTP hydrolysis of Ras-related proteins, resulting in downregulation of their active form. TBC1D3C (TBC1 domain family, member 3C) is a 549 amino acid protein that contains one Rab-GAP TBC domain and belongs to a family of TBC domain-containing proteins that may convey a role in the regulation of cell growth and differentiation. Expressed in thymus, pancreas and testis, TBC1D3C is thought to function as a GTPase-activating protein for Rab 5, possibly participating in Rab-mediated cell cycle control and, ultimately, cellular differentiation. The gene encoding TBC1D3C maps to human chromosome 17, which comprises over 2.5% of the human genome and encodes over 1,200 genes.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TBC1D3C (human) mapping to 17q12.

PRODUCT

TBC1D3C (h): 293T Lysate represents a lysate of human TBC1D3C transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

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.

APPLICATIONS

TBC1D3C (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive TBC1D3C antibodies.

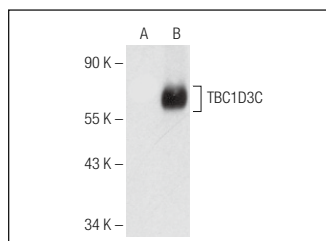
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

TBC1D3/3B/3C/3G (H-7): sc-376073 is recommended as a positive control antibody for Western Blot analysis of enhanced human TBC1D3C expression in TBC1D3C transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

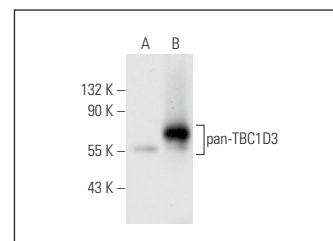
RECOMMENDED SUPPORT REAGENTS

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



TBC1D3/3B/3C/3G (H-7): sc-376073. Western blot analysis of TBC1D3C expression in non-transfected: sc-117752 (A) and human TBC1D3C transfected: sc-117362 (B) 293T whole cell lysates.



pan-TBC1D3 (C-8): sc-514028. Western blot analysis of pan-TBC1D3 expression in non-transfected: sc-117752 (A) and human TBC1D3C transfected: sc-117362 (B) 293T whole cell lysates.

RESEARCH USE

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