

TBC1D19 (E-13): sc-138663

BACKGROUND

TBC1D19 (TBC1 domain family member 19) is a 526 amino acid protein that contains one Rab-GAP TBC domain and may act as a GTPase-activating protein for Rab family proteins. The gene that encodes TBC1D19 contains 178,915 bases and maps to human chromosome 4p15.2. Chromosome 4 represents approximately 6% of the human genome and contains nearly 900 genes.

Notably, the Huntingtin gene, which is found to encode an expanded glutamine tract in cases of Huntington's disease, is on chromosome 4. FGFR-3 is also encoded by a gene located on chromosome 4 and has been associated with thanatophoric dwarfism, achondroplasia, Muenke syndrome and bladder cancer. Chromosome 4 is tied to Ellis-van Creveld syndrome, methylmalonic acidemia and polycystic kidney disease.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TBC1D19 (human) mapping to 4p15.2; Tbc1d19 (mouse) mapping to 5 C1.

SOURCE

TBC1D19 (E-13) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of TBC1D19 of human origin.

RESEARCH USE

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

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-138663 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

TBC1D19 (E-13) is recommended for detection of TBC1D19 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:50-1:500), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:25, dilution range 1:25-1:250) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with other TBC1D family members.

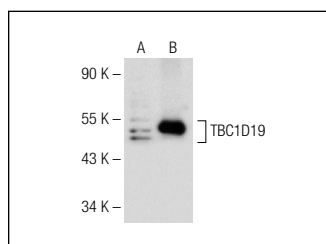
TBC1D19 (E-13) is also recommended for detection of TBC1D19 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for TBC1D19 siRNA (h): sc-89244, TBC1D19 siRNA (m): sc-154096, TBC1D19 shRNA Plasmid (h): sc-89244-SH, TBC1D19 shRNA Plasmid (m): sc-154096-SH, TBC1D19 shRNA (h) Lentiviral Particles: sc-89244-V and TBC1D19 shRNA (m) Lentiviral Particles: sc-154096-V.

Molecular Weight of TBC1D19: 60 kDa.

Positive Controls: TBC1D19 (h): 293T Lysate: sc-114476.

DATA



TBC1D19 (E-13): sc-138663. Western blot analysis of TBC1D19 expression in non-transfected: sc-117752 (A) and human TBC1D19 transfected: sc-114476 (B) 293T whole cell lysates.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

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