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BTBD1 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7323c

Product Information

Application	WB, FC, E
Primary Accession	Q9H0C5
Other Accession	P58544
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB18689
Calculated MW	52771
Antigen Region	295-322

Additional Information

Gene ID	53339
Other Names	BTB/POZ domain-containing protein 1, Hepatitis C virus NS5A-transactivated protein 8, HCV NS5A-transactivated protein 8, BTBD1, C15orf1, NS5ATP8
Target/Specificity	This BTBD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 295-322 amino acids from the Central region of human BTBD1.
Dilution	WB~~1:1000 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	BTBD1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	BTBD1
Synonyms	C15orf1, NS5ATP8

Function	Probable substrate-specific adapter of an E3 ubiquitin- protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins (PubMed:14528312). Seems to regulate expression levels and/or subnuclear distribution of TOP1, via an unknown mechanism (By similarity). May play a role in mesenchymal differentiation where it promotes myogenic differentiation and suppresses adipogenesis (By similarity).
Cellular Location	Cytoplasm. Note=Localizes to punctate or elongated cytoplasmic bodies.
Tissue Location	Ubiquitous; highest levels in testes, heart and skeletal muscle.

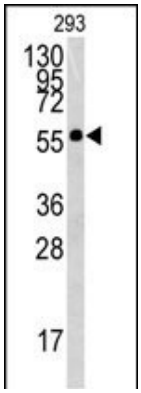
Background

BTBD1 binds topoisomerase I. The N-terminus contains a proline-rich region and a BTB/POZ domain (broad-complex, Tramtrack and bric a brac/Pox virus and Zinc finger), both of which are typically involved in protein-protein interactions. Subcellularly, the protein localizes to cytoplasmic bodies.

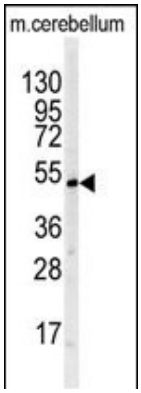
References

Pisani,D.F., Cabane,C. Cell Death Differ. 11 (11), 1157-1165 (2004)
Xu,L., Yang,L. Exp. Cell Res. 288 (1), 84-93 (2003)
Xu,L., Yang,L. BMC Genomics 3 (1), 1 (2002)

Images

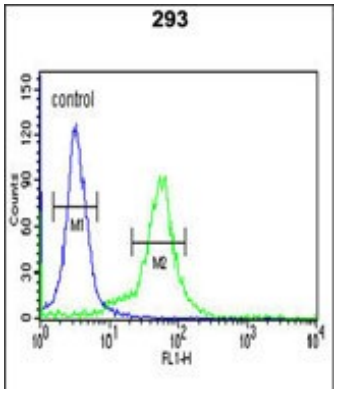


Western blot analysis of BTBD1 antibody (Center) (Cat.#AP7323c) in 293 cell line lysates (35ug/lane). BTBD1 (arrow) was detected using the purified Pab.



Western blot analysis of BTBD1 antibody (Center) (Cat.#AP7323c) in mouse cerebellum tissue lysates (35ug/lane). BTBD1 (arrow) was detected using the purified Pab.

BTBD1 Antibody (Center) (Cat. #AP7323c) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.