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BTBD10 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9476c

Specification

BTBD10 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q9BSF8
Other Accession	Q80X66
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**191-218**

BTBD10 Antibody (Center) - Additional Information

Gene ID 84280

Other Names
BTB/POZ domain-containing protein 10, Glucose metabolism-related protein 1, BTBD10, GMRP1 {ECO:0000303|PubMed:21267538}

Target/Specificity
This BTBD10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 191-218 amino acids from the Central region of human BTBD10.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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
BTBD10 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

BTBD10 Antibody (Center) - Protein Information

Name BTBD10

Synonyms GMRP1 {ECO:0000303|PubMed:21267538}

Function Plays a major role as an activator of AKT family members by inhibiting PPP2CA-mediated dephosphorylation, thereby keeping AKTs activated. Plays a role in preventing motor neuronal death and accelerating the growth of pancreatic beta cells.

Cellular Location
Nucleus. Cytoplasm {ECO:0000250|UniProtKB:Q80X66}. Note=Colocalizes with KCTD20 in filamentous structures. {ECO:0000250|UniProtKB:Q80X66}

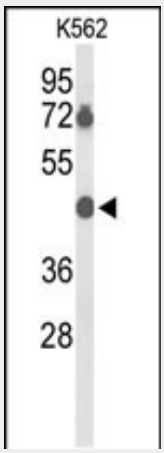
Tissue Location
Ubiquitously expressed. Highly expressed in adult brain, testis, aorta and small intestine and weakly expressed in the heart, lung, liver, kidney, pancreas, spleen, thymus, prostate, ovary and colon. Down-regulated in glioma.

BTBD10 Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

BTBD10 Antibody (Center) - Images



Western blot analysis of BTBD10 Antibody (Center) (Cat. #AP9476c) in K562 cell line lysates (35ug/lane). BTBD10 (arrow) was detected using the purified Pab.

BTBD10 Antibody (Center) - Background

BTBD10 appears to behave as a suppressor of cell death, which includes neuronal cell death related to amyotrophic lateral sclerosis. It may also act as an enhancer of cell growth via its positive regulation of Akt phosphorylation.

BTBD10 Antibody (Center) - References

?Nawa, M., et al. Cell. Signal. 20(3):493-505(2008)

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?Chen, J., et al. Gene 340(1):61-69(2004)