

**BTBD10 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9476c****Specification**

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**BTBD10 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q9BSF8](#)**BTBD10 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 84280**Other Names**BTB/POZ domain-containing protein 10, Glucose metabolism-related protein 1, BTBD10, GMRP1  
{ECO:0000303|PubMed:21267538}**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**BTBD10 Antibody (Center) Blocking Peptide - 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) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **BTBD10 Antibody (Center) Blocking Peptide - Images**

## **BTBD10 Antibody (Center) Blocking Peptide - 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) Blocking Peptide - References**

??awa, M., et al. Cell. Signal. 20(3):493-505(2008)??hen, J., et al. Gene 340(1):61-69(2004)