

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

BTBD10 Antibody (Center) Blocking Peptide - Product InformationPrimary 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)