

TBC1D2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18590c**Specification**

TBC1D2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [Q9BYX2](#)

TBC1D2 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 55357

Other Names

TBC1 domain family member 2A, Armus, Prostate antigen recognized and identified by SEREX 1, PARIS-1, TBC1D2, PARIS1, PP8997, TBC1D2A

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.

TBC1D2 Antibody (Center) Blocking Peptide - Protein Information

Name TBC1D2

Synonyms PARIS1, PP8997, TBC1D2A

Function

Acts as a GTPase-activating protein for RAB7A. Signal effector acting as a linker between RAC1 and RAB7A, leading to RAB7A inactivation and subsequent inhibition of cadherin degradation and reduced cell-cell adhesion.

Cellular Location

Cytoplasm. Cytoplasmic vesicle. Cell junction

Tissue Location

Expressed in a broad range of tissues, especially in kidney, liver, lung and placenta. Also expressed in keratinocytes and epithelia-containing organs. Isoform 2 is differentially expressed in prostate normal and cancer cells (at protein level)

TBC1D2 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TBC1D2 Antibody (Center) Blocking Peptide - Images

TBC1D2 Antibody (Center) Blocking Peptide - Background

TBC1D2 acts as GTPase-activating protein for RAB7A. Signal effector acting as a linker between RAC1 and RAB7A, leading to RAB7A inactivation and subsequent inhibition of cadherin degradation and reduced cell-cell adhesion.

TBC1D2 Antibody (Center) Blocking Peptide - References

Letra, A., et al. Am. J. Med. Genet. A 152A (7), 1701-1710 (2010) :Ishibashi, K., et al. Genes Cells 14(1):41-52(2009)Olsen, J.V., et al. Cell 127(3):635-648(2006)Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)Zhou, Y., et al. Biochem. Biophys. Res. Commun. 290(2):830-838(2002)