

WTX Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP6553c**Specification**

WTX Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q5JTC6](#)**WTX Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 139285**Other Names**

APC membrane recruitment protein 1, Amer1, Protein FAM123B, Wilms tumor gene on the X chromosome protein, AMER1, FAM123B, WTX

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6553c](/products/AP6553c) was selected from the Center region of human WTX. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

WTX Antibody (Center) Blocking Peptide - Protein Information**Name** AMER1**Synonyms** FAM123B, WTX**Function**

Regulator of the canonical Wnt signaling pathway. Acts by specifically binding phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P2), translocating to the cell membrane and interacting with key regulators of the canonical Wnt signaling pathway, such as components of the beta-catenin destruction complex. Acts both as a positive and negative regulator of the Wnt signaling pathway, depending on the context: acts as a positive regulator by promoting LRP6 phosphorylation. Also acts as a negative regulator by acting as a scaffold protein for the beta-catenin destruction complex and promoting stabilization of Axin at the cell membrane. Promotes CTNNB1 ubiquitination and degradation. Involved in kidney development.

Cellular Location

Cytoplasm. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Nucleus.

Note=Shuttles between nucleus and cytoplasm. Detected in nuclear paraspeckles that are found close to splicing speckles. Translocates to the cell membrane following binding to PtdIns(4,5)P2

Tissue Location

Detected in fetal and adult kidney, brain and spleen.

WTX Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

WTX Antibody (Center) Blocking Peptide - Images**WTX Antibody (Center) Blocking Peptide - Background**

WTX is involved in kidney development.

WTX Antibody (Center) Blocking Peptide - References

Rivera,M.N., Proc. Natl. Acad. Sci. U.S.A. 106 (20), 8338-8343 (2009)Fukuzawa,R., Oncogene 28 (8), 1063-1075 (2009)