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WTX Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6553c

Specification

WTX Antibody (Center) - Product Information

Application	**FC, WB, IHC-P,E**
Primary Accession	Q5JTC6
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**681-708**

WTX Antibody (Center) - 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
This WTX antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 681-708 amino acids from the Central region of human WTX.

Dilution
FC~~1:10~50
WB~~1:1000
IHC-P~~1:50~100
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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

WTX Antibody (Center) - 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

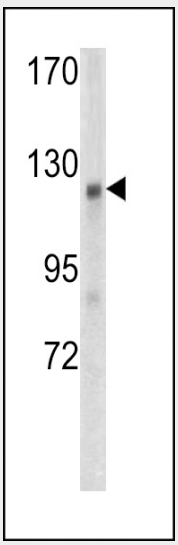
Tissue Location
Detected in fetal and adult kidney, brain and spleen.

WTX Antibody (Center) - 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

WTX Antibody (Center) - Images



Western blot analysis of WTX antibody (Center) (Cat. #AP6553c) in mouse kidney tissue lysates (35ug/lane). WTX (arrow) was detected using the purified Pab.

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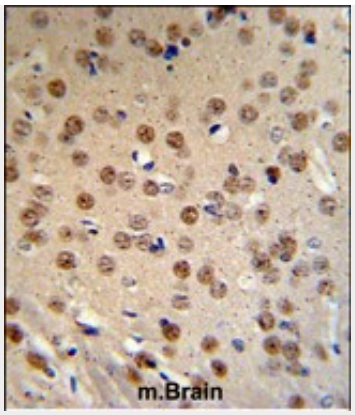
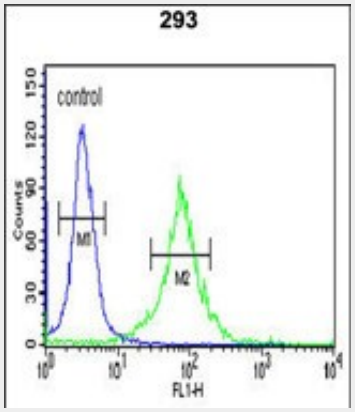


WTX Antibody (Center) (Cat. #AP6553c) IHC analysis in formalin fixed and paraffin embedded mouse brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the WTX Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WTX Antibody (Center) (Cat. #AP6553c) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

WTX Antibody (Center) - Background

WTX is involved in kidney development.

WTX Antibody (Center) - References

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