OriGene Technologies Inc.

9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene EU

Acris Antibodies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info@acris-antibodies.com

Polyclonal Antibody to WT1 / Wilms tumor protein (C-term) - Purified

Alternate names: WT33

Catalog No.: AP15857PU-M

Quantity: 0.5 ml

Concentration: 0.69 mg/ml (Lot specific)

Background: Wilm's Tumor (WT), a sporadic and familial childhood kidney tumor, is genetically heterogeneous. Wilm's tumor is associated with mutations of WT1, a zinc-finger transcription factor that is essential for the development of the metanephric kidney and the urogenital system. The WT1 gene is normally expressed infetal kidney and mesothelioma, and its expression has been suggested as a marker for Wilm's tumor and mesothelioma.

Uniprot ID: P19544

NCBI: 9606

GeneID: 7490

Host: Rabbit

Immunogen: Synthetic peptide derived from the C-terminus of Human Wilm's Tumor protein.

Format:
State: Liquid purified IgG fraction
Purification: Immunoaffinity Chromatography
Buffer System: PBS, pH 7.6
Preservatives: 0.09% Sodium Azide
Stabilizers: 1% BSA

Applications:
Western Blot.
Immunoprecipitation.
Immunohistochemistry on Paraffin Sections: 1/100 for 10 min at RT.
Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.
Positive Control: Wilm's Tumor.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Molecular Weight: 47-55 kDa

Specificity: This antibody recognizes Wilm's Tumor Protein.
Cellular Localization: Nuclear.

Species Reactivity: **Tested:** Human.
Expected from sequence similarity: Dog, Mouse, Rat, Pig, Rabbit.

Storage:

Store the antibody undiluted at 2-8°C.
DO NOT FREEZE!
Shelf life: one year from despatch.

Product Citations:

Purchased from Acris:

1. Yates LL, Papakrivopoulou J, Long DA, Goggolidou P, Connolly JO, Woolf AS, et al. The planar cell polarity gene Vangl2 is required for mammalian kidney-branching morphogenesis and glomerular maturation. Hum Mol Genet. 2010 Dec 1;19(23):4663-76. doi: 10.1093/hmg/ddq397. Epub 2010 Sep 14. PubMed PMID: 20843830.
2. Vasilopoulou, E;Kolatsi-Joannou, M;Lindenmeyer, MT;White, KE;Robson, MG;Cohen, CD;Sebire, NJ;Riley, PR;Winyard, PJ;Long, DA;2016Loss of endogenous thymosin β4 accelerates glomerular disease. Kidney Int. PubMed PMID: 27575556

Pictures:

Wilm's tumor stained with Anti-WT1 Antibody (Cat.-No AP15857PU)