

AP54572PU-N

Polyclonal Antibody to WT1 / Wilms tumor protein (Center) - Aff - Purified

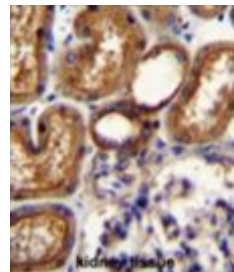
Alternate names:	WT33
Quantity:	0.4 ml
Concentration:	lot specific
Background:	This gene encodes a transcription factor that contains four zinc-finger motifs at the C-terminus and a proline/glutamine-rich DNA-binding domain at the N-terminus. It has an essential role in the normal development of the urogenital system, and it is mutated in a small subset of patients with Wilm's tumors. This gene exhibits complex tissue-specific and polymorphic imprinting pattern, with biallelic, and monoallelic expression from the maternal and paternal alleles in different tissues. Multiple transcript variants have been described. In several variants, there is evidence for the use of a non-AUG (CUG) translation initiation site upstream of and in-frame with the first AUG. Authors of PMID:7926762 also provide evidence that WT1 mRNA undergoes RNA editing in human and rat, and that this process is tissue-restricted and developmentally regulated. [provided by RefSeq].
Uniprot ID:	P19544
NCBI:	NP_000369
GeneID:	7490
Host / Isotype:	Rabbit / Ig
Immunogen:	KLH conjugated synthetic peptide between 353-383 (E361) amino acids from the Central region of human WT1
Format:	State: Liquid Ig fraction Purification: Protein A column followed by peptide affinity purification Buffer System: PBS with 0.09% (W/V) sodium azide
Applications:	ELISA: 1:1;000. Western blot: 1:100~500. Immunohistochemistry on paraffin sections: 1:50~100. Immunofluorescence: 1:10~50. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects Wilms tumor protein (Center).
Species Reactivity:	Tested: Human
Add. Information:	Molecular Weight: 49188 Da
Storage:	Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

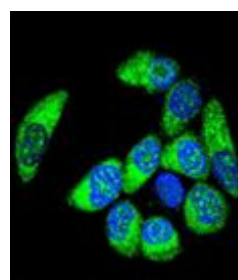
1. Sitaram, R.T., et al. Br. J. Cancer 103(8):1255-1262(2010).
2. Dohi, S., et al. Anticancer Res. 30(8):3187-3192(2010).
3. Rocquain, J., et al. BMC Cancer 10, 401 (2010).
4. Wagner, K.D., et al. J. Cell. Sci. 116 (PT 9), 1653-1658 (2003).
5. Mitsuya, K., et al. Hum. Mol. Genet. 6(13):2243-2246(1997).

Pictures:

WT1 Antibody (Center E361) (AP54572PU-N) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of WT1 Antibody (Center E361) for immunohistochemistry. Clinical relevance has not been evaluated.



Confocal immunofluorescent analysis of WT1 Antibody (Center E361) (AP54572PU-N) with MCF-7 cell followed by Alexa Fluor® 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



WT1 Antibody (Center E361) (AP54572PU-N) western blot analysis in MCF-7 cell line lysates (35 µg/lane). This demonstrates the WT1 antibody detected the WT1 protein (arrow).

