

WT1 Polyclonal Antibody

Catalog No.	A16298	Category	Polyclonal Antibodies
Applications	WB	Observed MW	Refer to figures
Cross-reactivity	Human, Mouse, Rat	Calculated MW	33kDa/34kDa/47kDa/48kDa/49kDa/55kDa/56kDa

Immunogen Information

Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-302 of human WT1 (NP_001185480.1).
Gene ID	7490
Swiss prot	P19544
Synonyms	WT1; AWT1; EWS-WT1; GUD; NPHS4; WAGR; WIT-2; WT33; Wilms tumor 1

Product information

Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

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 Wilms tumor. 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 codon 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.

Recommended Dilutions

WB 1:500 -
1:2000

