Product Name: **Wilms' Tumor 1(WT1) Mouse Monoclonal Antibody**
Catalog #: **AMM22052**
For research use only.

Summary

Description	Mouse Monoclonal Antibody
Host	Mouse
Application	IHC,ELISA
Reactivity	Human,Mouse,Rat,Pig
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG2b,Kappa
Clonality	Monoclonal
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Purification	The antibody was affinity-purified from ascites by affinity-chromatography using specific immunogen.

Application

Dilution Ratio	IHC 1:50-100;ELISA 1:500-5000
Molecular Weight	Calculated MW:55kDa,Observed MW:55kDa

Antigen Information

Gene Name	WT1
Alternative Names	
Gene ID	Human:7490
SwissProt ID	Human:P19544
Immunogen	Synthesized peptide derived from human Wilms' Tumor 1(WT1) AA range: 350-449

Background

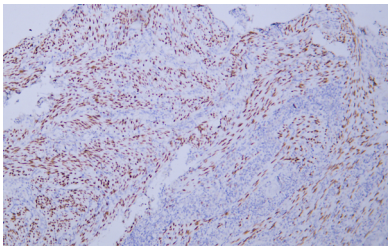
This gene encodes a transcription factor that contains four zinc-finger motifs at the C-terminus and a proline/glutamine-rich DNA-binding domain at the N-terminus. It has an essential role in the normal development of the urogenital system, and it is mutated in a small subset of patients with Wilms tumor. 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. [provided by RefSeq, Mar 2015],

Research Area

Pathology

Image Data



Human endometrial adenocarcinoma tissue was stained with Anti-Wilms' Tumor 1(WT1) Antibody