Wilms' Tumor 1(WT1) (ABT-WT1) IHC kit

CatalogNo: IHCM6533

Key Features

Host Species
- Mouse

Reactivity
- Human,Mouse,Rat,Pig,

Applications
- IHC

Isotype
- IgG2b,Kappa

Recommended Dilution Ratios

Storage

Storage*	2°C to 8°C/1 year

Basic Information

Clonality	Monoclonal
Clone Number	ABT-WT1

Immunogen Information

Immunogen	Synthesized peptide derived from human Wilms' Tumor 1(WT1) AA range: 350-449
Specificity	The antibody can specifically recognize human WT1 protein.

Target Information

Gene name	WT1

Protein Name Wilms tumor protein (WT33)

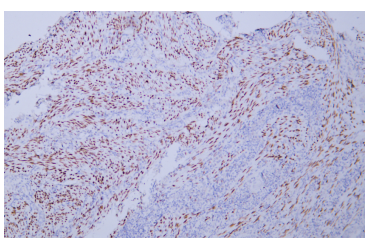
Organism	Gene ID	UniProt ID
Human	7490;	P19544;

Cellular Localization Nuclear

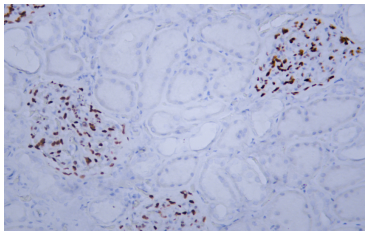
Tissue specificity Expressed in the kidney and a subset of hematopoietic cells.

Function Disease:A chromosomal aberration involving WT1 may be a cause of desmoplastic small round cell tumor (DSRCT). Translocation t(11;22)(p13;q12) with EWSR1.,Disease:Defects in WT1 are a cause of hypospadias. Hypospadias is a common malformation in which the urethra opens on the ventral side of the penis. It is considered a complex disorder with both genetic and environmental factors involved in the pathogenesis. Hypospadias can occur alone on an apparently multifactorial basis or as part of syndromes.,Disease:Defects in WT1 are a cause of Meacham syndrome [MIM:608978]. Meacham syndrome is a rare sporadically occurring multiple malformation syndrome characterized by male pseudohermaphroditism with abnormal internal female genitalia comprising a uterus and double or septate vagina, complex congenital heart defect and diaphragmatic abnormalities.,Disease:Defects in WT1 are a cause of Wilms tumor--aniridia--genitourinary anomalies--mental retardation syndrome (WAGR syndrome) [MIM:194072].,Disease:Defects in WT1 are the cause of Denys-Drash syndrome (DDS) [MIM:194080]. DDS is a typical nephropathy characterized by diffuse mesangial sclerosis, genital abnormalities, and/or Wilms tumor. There is phenotypic overlap with WAGR syndrome and Frasier syndrome. Inheritance is autosomal dominant, but most cases are sporadic.,Disease:Defects in WT1 are the cause of Frasier syndrome (FS) [MIM:136680]. FS is characterized by a slowly progressing nephropathy leading to renal failure in adolescence or early adulthood, male pseudohermaphroditism, and no Wilms tumor. As for histological findings of the kidneys, focal glomerular sclerosis is often observed. There is phenotypic overlap with Denys-Drash syndrome. Inheritance is autosomal dominant.,Disease:Defects in WT1 are the cause of isolated diffuse mesangial sclerosis (IDMS) [MIM:256370]. IDMS is an early-onset nephrotic syndrome occurring in the absence of other abnormalities and resulting in renal failure. Inheritance is autosomal recessive.,Disease:Defects in WT1 are the cause of Wilms tumor 1 (WT1) [MIM:194070]. WT is an embryonal malignancy of the kidney that affects approximately 1 in 10'000 infants and young children. It occurs both in sporadic and hereditary forms.,Function:Potential role in transcriptional regulation. Recognizes and binds to the DNA sequence 5'-CGCCCCCGC-3'.,similarity:Belongs to the EGR C2H2-type zinc-finger protein family.,similarity:Contains 4 C2H2-type zinc fingers.,subunit:Interacts with WTIP (By similarity). Interacts with ZNF224 via the zinc-finger region. Interacts with WTAP and SRY.,tissue specificity:Expressed in the kidney and a subset of hematopoietic cells.,

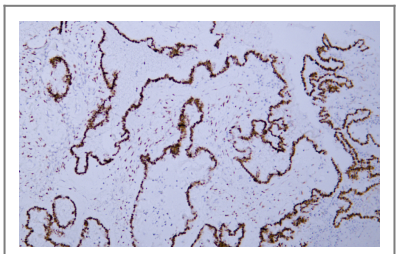
Validation Data



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



Human kidney tissue was stained with Anti-Wilms' Tumor 1(WT1) (ABT-WT1) Antibody



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

Contact information

Orders:	order@immunoway.com
Support:	tech@immunoway.com
Telephone:	408-747-0189 (USA) 400-8787-807(China)
Website:	http://www.immunoway.com
Address:	2200 Ringwood Ave San Jose, CA 95131 USA

Please scan the QR code to access additional product information: **Wilms' Tumor 1(WT1) (ABT-WT1) IHC kit**