Mouse Monoclonal Antibody Wilms Tumor Protein conjugated to Sepharose Beads

CatalogNo: ANT8176-M

Size 200ul

Storage Store at 4 °C for frequent use

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

Wilms Tumor Protein (ANT0002R) Rabbit mAb

Formulation: Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg ANaN3.

Host Species	Reactivity	Applications
• Rabbit	• Human,Mouse,Rat,	• WB,IHC,IF,IP,ELISA

MW	Isotype
• 55kD (Calculated) 55kD (Observed)	• IgG,Kappa

Recommended Dilution Ratios

IP

Basic Information

Clonality	Monoclonal

Clone Number ANT0002R

Immunogen Information

Specificity Endogenous

Gene name WT1

Protein Name Wilms tumor protein (WT33)

Organism	Gene ID	UniProt ID
Human	7490;	P19544;

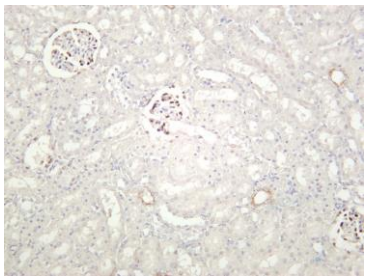
Cellular Localization Nucleus

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

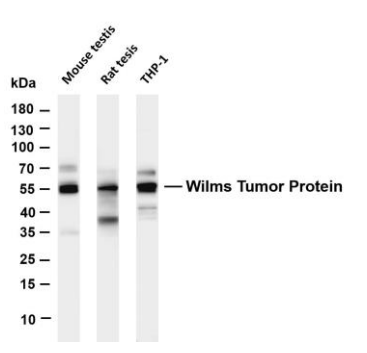
Function Disease:A chromosomal aberration involving WT1 may be a cause of desmoplastic small round cell tumor (DSRCT). Translocation t(11;22)(p13;q12) with EWSR1.,Disease:Defects in WT1 are a cause of hypospadias. Hypospadias is a common malformation in which the urethra opens on the ventral side of 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

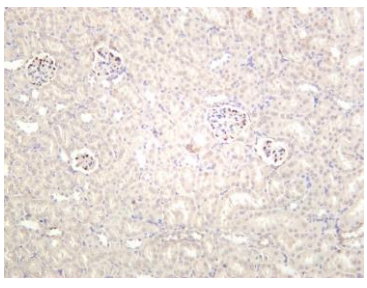
Data



Rat kidney was stained with anti-Wilms Tumor Protein (ANT0002R) rabbit antibody



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Wilms Tumor Protein (ANT0002R) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Mouse testis Lane 2: Rat testis Lane 3: THP-1 Predicted band size: 55kDa Observed band size: 55kDa



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