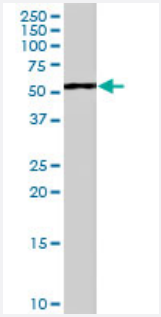
WT1 polyclonal antibody

Catalog # PAB7070 Size 100 ug

Applications



Western Blot (Tissue lysate)

WT1 polyclonal antibody (Cat # PAB7070) (1 ug/mL) staining of human spleen lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of WT1.
Immunogen	A synthetic peptide corresponding to human WT1.
Sequence	QDPASTCVPEPASQH
Host	Goat
Theoretical MW (kDa)	54.3, 56, 54.6, 56.3
Reactivity	Human
Specificity	This antibody is expected to recognize all four reported isoforms (NP_000369.3, NP_077742.2, NP_077743.2, NP_077744.3).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

Recommend Usage	ELISA (1:4000) Western Blot (1-3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — WT1

Entrez GeneID	7490
Protein Accession#	NP_000369.3;NP_077742.2;NP_077743.2;NP_077744.3
Gene Name	WT1
Gene Alias	GUD, WAGR, WIT-2, WT33
Gene Description	Wilms tumor 1
Omim ID	136680 194070 194072 194080 256370 607102
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a transcription factor that contains four zinc-finger motifs at the C-terminus an d a proline/glutamine-rich DNA-binding domain at the N-terminus. It has an essential role in the no rmal development of the urogenital system, and it is mutated in a small subset of patients with Wil m's tumors. Multiple transcript variants, resulting from alternative splicing at two coding exons, hav e been well characterized. There is also evidence for the use of non-AUG (CUG) translation initiati on site upstream of, and in-frame with the first AUG, leading to additional isoforms. Authors of PM ID:7926762 also provide evidence that WT1 mRNA undergoes RNA editing in human and rat, an d that this process is tissue-restricted and developmentally regulated. [provided by RefSeq
Other Designations	-

Publication Reference

- Tissue-specific RNAi reveals that WT1 expression in nurse cells controls germ cell survival and spermatogenesis.

  Rao MK, Pham J, Imam JS, MacLean JA, Murali D, Furuta Y, Sinha-Hikim AP, Wilkinson MF.

  Genes & Development 2006 Jan; 20(2):147.

Disease

- Abnormalities
- Acute Disease
- Denys-Drash Syndrome
- Disease Progression
- Eye Diseases
- Frasier Syndrome
- Genetic Predisposition to Disease
- Glomerulosclerosis
- Gonadoblastoma
- Hypospadias
- Kidney Failure
- Kidney Neoplasms
- Leukemia
- Neoplasms
- Neovascularization
- Nephrotic Syndrome
- Pancreatic cancer
- Pancreatic Neoplasms

- Precursor T-Cell Lymphoblastic Leukemia-Lymphoma
- Recurrence
- Sex determination
- Thyroid Neoplasms
- Tobacco Use Disorder
- Urogenital Abnormalities
- Wilms Tumor