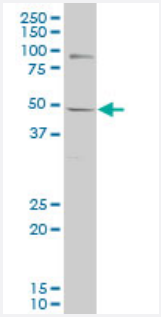
WT1 monoclonal antibody (M01), clone 2H4

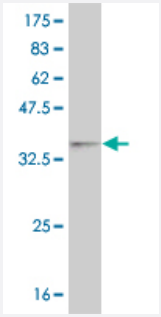
Catalog # H00007490-M01 Size 100 ug

Applications



Western Blot (Cell lysate)

WT1 monoclonal antibody (M01), clone 2H4 Western Blot analysis of WT1 expression in A-431 (Cat # L015V1).



Western Blot detection against Immunogen (35.64 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant WT1.
Immunogen	WT1 (NP_000369.3, 349 a.a. ~ 439 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	QDVRRVPGVAPTLVRSASETSEKRPFMCAYPGCNKRYFKLSHLQMHSRKHTGEKPYQCDFKDCERRFSRSDQLKRHQRRHTGVKPFQCKTC
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (99); Rat (99)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.64 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

  WT1 monoclonal antibody (M01), clone 2H4 Western Blot analysis of WT1 expression in A-431 (Cat # L015V1).

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — WT1

Entrez GeneID	7490
GeneBank Accession#	NM_000378
Protein Accession#	NP_000369.3
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 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 Wilm's tumors. Multiple transcript variants, resulting from alternative splicing at two coding exons, have been well characterized. There is also evidence for the use of non-AUG (CUG) translation initiation site upstream of, and in-frame with the first AUG, leading to additional isoforms. 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
Other Designations	-

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