WT1 Antibody (monoclonal) (M01)
Mouse monoclonal antibody raised against a full length recombinant WT1.
Catalog # AT4545a

Specification

WT1 Antibody (monoclonal) (M01) - Product Information

Application: WB
Primary Accession: P19544
Other Accession: NM_000378
Reactivity: Human
Host: Mouse
Clonality: Monoclonal
Isotype: IgG2b Kappa
Clone Names: 2H4
Calculated MW: 49188

WT1 Antibody (monoclonal) (M01) - Additional Information

Gene ID: 7490
Other Names: Wilms tumor protein, WT33, WT1

Target/Specificity
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.

Dilution
WB: ~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
WT1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

WT1 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

WT1 Antibody (monoclonal) (M01) - 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' 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.

**WT1 Antibody (monoclonal) (M01) - References**

Combined mutations of ASXL1, CBL, FLT3, IDH1, IDH2, JAK2, KRAS, NPM1, NRAS, RUNX1, TET2 and WT1 genes in myelodysplastic syndromes and acute myeloid leukemias. Rocquain J, et al. BMC Cancer, 2010 Aug 2. PMID 20678218.


