

## IHCab™ Wilms' Tumor 1 (WT1) (BGT-WT1) mouse mAb

Cat #: B-IMW6533

Size: 100 µL

Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.

### 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 tumor. This gene exhibits complex tissue-specific and polymorphic imprinting pattern, with biallelic, and monoallelic expression from the maternal and paternal alleles in different tissues. Multiple transcript variants have been described. In several variants, there is evidence for the use of a non-AUG (CUG) translation initiation codon upstream of, and in-frame with the first AUG. 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.

### Product Information

**Applications/Dilution:** WB 500-2000 IHC-p 1:100-500. IF 1:50-200

**Isotype/Source:** Mouse, Monoclonal/IgG2b, Kappa

**Specificity:** This antibody detects endogenous levels of human Wilms' Tumor 1(WT1). Heat-induced epitope retrieval (HIER) TRIS-EDTA of pH8.0 was highly recommended as antigen repair method in paraffin section

**Subcellular Location:** Nucleus . Nucleus, nucleolus. Cytoplasm . Isoforms lacking the KTS motif have a diffuse nuclear location (PubMed:15520190). Shuttles between nucleus and cytoplasm. .; [Isoform 1]: Nucleus speckle .; [Isoform 4]: Nucleus, nucleoplasm

**Expression:** Expressed in the kidney and a subset of hematopoietic cells.

**Formulation:** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

**Storage:** Store at -15°C to -25°C

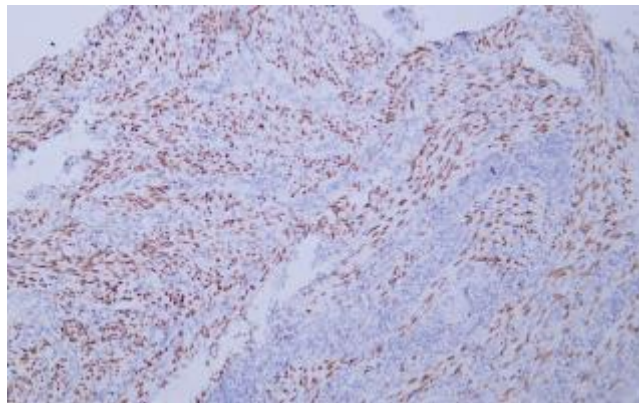


Fig.1. Human endometrial adenocarcinoma tissue was stained with Anti-Wilms' Tumor 1(WT1) Antibody

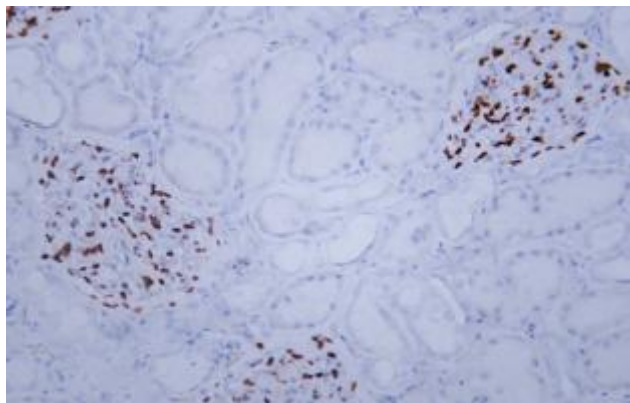


Fig.2. Human kidney tissue was stained with Anti-Wilms' Tumor 1(WT1) Antibody

**Note:**

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.