

WT-1 (Clone ZR180)

Rabbit Monoclonal Antibody

Specificity: Human. Others-not known

Immunogen: Recombinant human WT1 protein

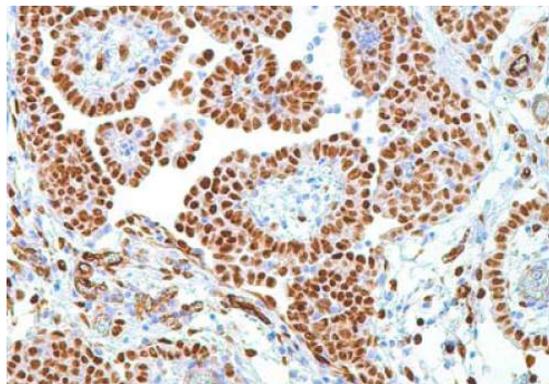
Ig Class: IgG

Storage: Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months

Staining procedures: Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of tissue with proteolytic enzymes should be performed prior to staining. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:100-200; *Positive Control:* Malignant mesothelioma, Wilms tumor. *Cellular Localization:* Nuclear. *Intended Use:* In vitro diagnosis (IVD).

Description: Recognizes a 47-55kDa-tumor suppressor protein, identified as Wilm's Tumor (WT1) protein. The antibody reacts with all isoforms of the full-length WT1 and also identifies WT1 lacking exon 2-encoded amino acids, frequently found in subsets of sporadic Wilm's tumors. WT1, a sporadic and familial pediatric kidney tumor, is genetically heterogeneous. Wilm's tumor is associated with mutations of WT1, a zinc-finger transcription factor that is essential for the development of the metanephric kidney and the urogenital system. The WT1 gene is normally expressed in fetal kidney and mesothelium, and its expression has been suggested as a marker for Wilm's tumor and mesothelioma. WT1 protein has been identified in proliferative mesothelial cells, malignant mesothelioma, ovarian carcinoma, gonadoblastoma, nephroblastoma, and desmoplastic small round cell tumor. Lung adenocarcinomas rarely stain positive with this antibody. WT1 protein expression in mesothelial cells has become a reliable marker for the diagnosis of mesotheliomas.

Supplied As: Purified antibody with 0.2% BSA and 15mM sodium azide.



Formalin-Fixed, paraffin-embedded human mesothelioma stained with anti-WT-1 antibody using peroxidase-conjugate and DAB chromogen. Note the nuclear staining of tumor cells

Cat. #Z2492 (1.0 ml)

