WT1 (Center E361) Polyclonal Antibody

Order Information

Catalog#	BGT-ANT-69938
Size/Concentration	100μl

Description

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. 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 site 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. [provided by RefSeq].

Specification

Aliases ： Wilms tumor protein, WT33, WT1

Entrez GeneID ： 7490

Swissprot ： P19544

WB Predicted band size ： 49.2kDa

Host/Isotype ： Rabbit IgG

Storage ： Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Species Reactivity ： Human, Mouse, Rat

Immunogen ： This WT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 346-375 amino acids from the Central region of human WT1.

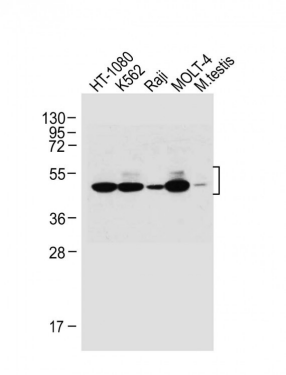
Formulation ： Purified polyclonal antibody supplied in PBS with 0.05% sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Application

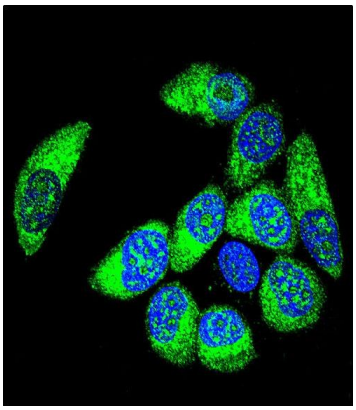
WB	1/1000
IHC	1/100-1/500
ICC	1/10-1/50
FCM	1/10-1/50

For Research Only

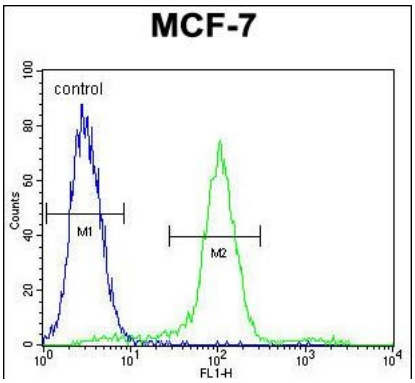
Application Key:WB - Western Blot | **IHC** - Immunohistochemistry | **ICC** - Immunocytochemistry | **FCM** - Flow Cytometry | **ELISA** - Enzyme-linked Immunosorbent Assay | **IP** - Immunoprecipitation



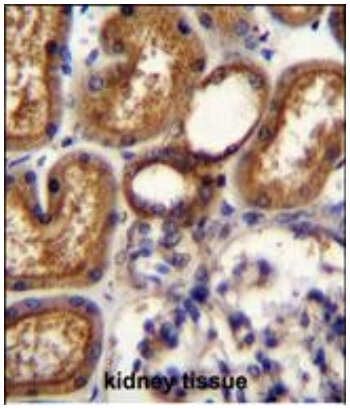
All lanes : Anti-WT1 Antibody (Center E361) at 1:1000 dilution Lane 1: HT-1080 whole cell lysate Lane 2: K562 whole cell lysate Lane 3: Raji whole cell lysate Lane 4: MOLT-4 whole cell lysate Lane 5: Mouse testis lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution . Predicted band size : 49 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Confocal immunofluorescent analysis of WT1 Antibody (Center E361) with MCF-7 cell followed by Alexa Fluor ® 488-conjugated goat anti-rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).



WT1 Antibody (Center E361) flow cytometric analysis of MCF-7 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WT 1 Antibody (Center E 361) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining .This data demonstrates the use of WT1 Antibody (Center E 361) for immunohistochemistry . Clinical relevance has not been evaluated.

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