

WT1
Rabbit Monoclonal antibody(Mab)
Catalog # AD80048

Specification

WT1 - Product info

Application	IHC-P
Primary Accession	P19544
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	49188

WT1 - Additional info

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

Dilution

IHC-P~~Ready-to-use

Storage

Maintain refrigerated at 2-8°C

Precautions

WT1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

WT1 - Protein Information

Name WT1

Function

Transcription factor that plays an important role in cellular development and cell survival (PubMed:[7862533](#)). Recognizes and binds to the DNA sequence 5'-GCG(T/G)GGGCG-3' (PubMed:[7862533](#), PubMed:[17716689](#), PubMed:[25258363](#)). Regulates the expression of numerous target genes, including EPO. Plays an essential role for development of the urogenital system. It has a tumor suppressor as well as an oncogenic role in tumor formation. Function may be isoform-specific: isoforms lacking the KTS motif may act as transcription factors (PubMed:[15520190](#)). Isoforms containing

Cellular Location

the KTS motif may bind mRNA and play a role in mRNA metabolism or splicing (PubMed:[16934801](#)). Isoform 1 has lower affinity for DNA, and can bind RNA (PubMed:[19123921](#)).

Nucleus. Nucleus, nucleolus. Cytoplasm. Note=Isoforms lacking the KTS motif have a diffuse nuclear location

(PubMed:15520190) Shuttles between nucleus and cytoplasm. {ECO:0000250, ECO:0000269|PubMed:15520190} Isoform 4: Nucleus, nucleoplasm

Tissue Location

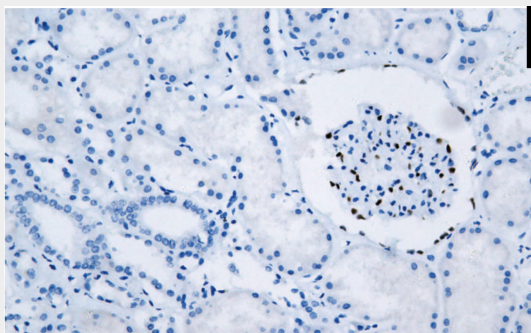
Expressed in the kidney and a subset of hematopoietic cells

WT1 - Protocols

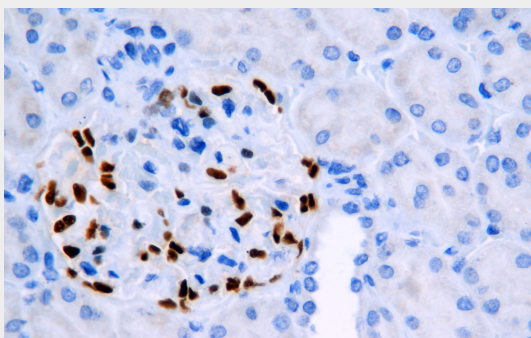
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

WT1 - Images



Kidney



Immunohistochemical analysis of paraffin-embedded human kidney tissue using AD80307

performed on the Abcarta® FAIP-30 Fully automated IHC platform. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH 9.0). Samples were incubated with primary antibody (Ready-to-use) for 15 min at room temperature. AmpSee™ Detection Systems [Abcepta:AR005] was used as the secondary antibody.