WT-1 recombinant protein

CatalogNo: YD3034

Key Features

Reactivity
- Human

Recommended Dilution Ratios

Storage

Storage*	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
Formulation	Phosphate-buffered solution

Basic Information

Source	Mammalian cells
Purification	Mammalian cells
Purity	>90% as determined by SDS-PAGE

Immunogen Information

Squence	Amino acid:392-438,with human FC tag.

Target Information

Gene name	WT1

Protein Name Wilms tumor protein (WT33)

Organism	Gene ID	UniProt ID
Human	7490;	P19544;

Cellular Localization Nucleus . Nucleus, nucleolus. Cytoplasm . Note=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 .

Tissue specificity Expressed in the kidney and a subset of hematopoietic cells.

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:17716689, PubMed:25258363, PubMed:7862533). 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 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).

Validation Data

Contact information

Orders: order@immunoway.com
Support: tech@immunoway.com
Telephone: 877-594-3616 (Toll Free), 408-747-0185
Website: http://www.immunoway.com
Address: 2200 Ringwood Ave San Jose, CA 95131 USA

Please scan the QR code to access additional product information: **WT-1 recombinant protein**