Datasheet for ABIN6940904

Recombinant anti-WT1 antibody

5 Images

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Overview

Quantity:	100 µg
Target:	WT1
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This WT1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant full-length human WT1 protein
Clone:	RWT1-857
Isotype:	IgG1 kappa
Specificity:	Recognizes a 47-55 kDa-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

Product Details

	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.
Purification:	Purified by Protein A/G

Target Details

Target:	WT1
Alternative Name:	WT1 (WT1 Products)
Molecular Weight:	47-55kDa
Gene ID:	7490
UniProt:	P19544
Pathways:	Tube Formation

Application Details

Application Notes:	Positive Control: K562 cells. Wilm's Tumor, mesothelioma or fetal kidney. Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

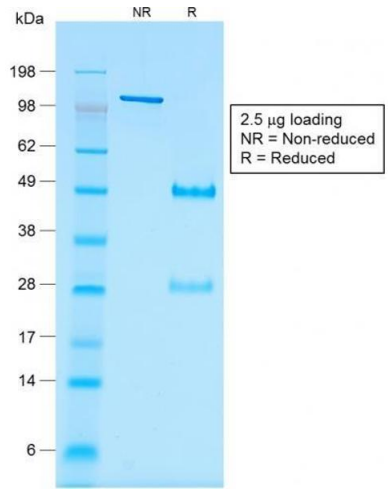
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

Handling

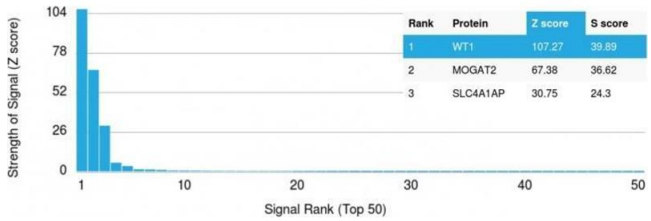
	is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

Images



SDS-PAGE

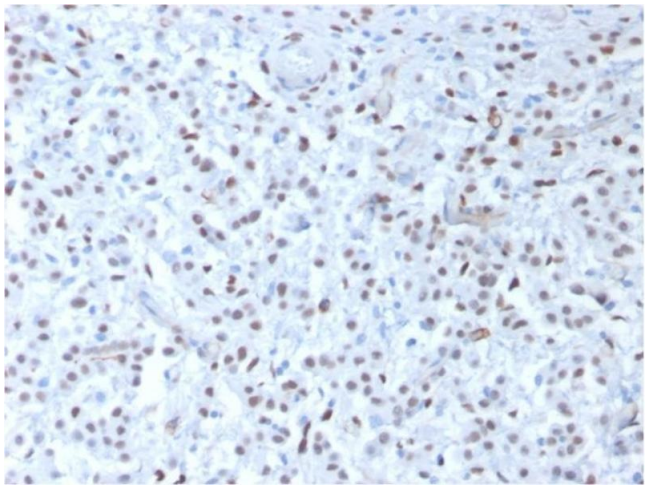
Image 1. SDS-PAGE Analysis Purified Wilm's Tumor Mouse Recombinant Monoclonal Antibody (rWT1/857). Confirmation of Purity and Integrity of Antibody



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using Wilm's Tumor Mouse Recombinant Monoclonal Antibody (rWT1/857). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

Images



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Mesothelioma stained with Wilm's Tumor Mouse Recombinant Monoclonal Antibody (rWT1/857).

Please check the product details page for more images. Overall 5 images are available for ABIN6940904.