

Datasheet: AHP1943

Description:	RABBIT ANTI HUMAN WILMS TUMOR 1
Specificity:	WILMS TUMOUR 1
Other names:	Wilms tumor protein
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			10ug/ml
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting	▪			
Functional Assays			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species

Human

Species Cross Reactivity

Based on sequence similarity, is expected to react with: Mouse, Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Antiserum Preparation Antisera to Human Wilms Tumor 1 were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG prepared from whole serum by affinity chromatography.

Buffer Solution Phosphate buffered saline

Preservative 0.05% Sodium Azide (NaN₃)
Stabilisers 0.2% Bovine Serum Albumin

Approx. Protein Concentrations IgG concentration 0.2mg/ml

Immunogen A synthetic peptide corresponding to amino acid sequence from the C-terminus of human WT1.

External Database Links

UniProt:

[P19544](#) [Related reagents](#)

Entrez Gene:

[7490](#) WT1 [Related reagents](#)

RRID AB_2021098

Specificity **Rabbit anti Human Wilms Tumor 1 antibody** recognises Wilms Tumor 1, also known as WT1 or WT33. WT1 is a 449 amino acid transcription factor that plays an important role in cellular development, in particular the development of the urogenital system, additionally WT1 functions in both the role of a tumor suppressor and in an oncogenic manner in tumor formation.

Defects in the the WT1 gene result in a range of disease states including Frasier syndrome ([FS](#)) characterised by progressive nephropathy, male pseudohermaphroditism with no Wils tumor ([Kohsaka et al. 1999](#)), Wilms Tumor 1 ([WT1](#)) an embryonal renal malignancy ([Little et al. 1992](#)) and Denys-Drash syndrome ([DDS](#)) and autosomal dominant nephropathy with genital abnormalities with or without Wils tumor ([Baird et al. 1992](#))

WT1 is expressed in the Kidney and a subset of haematopietic cells. Multiple isoforms of WT1 have so far been recognised. Rabbit anti Human Wilms Tumor 1 antibody is expected to recognize the canonical isoform 1 and other isoforms with a normally presented C-terminal region.

Histology Positive Control Tissue Human kidney

Storage Store at +4°C. DO NOT FREEZE.
This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 18 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation #10041 available at:
10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR54...) [HRP](#)

Recommended Useful Reagents

[HISTAR DETECTION SYSTEM \(STAR3000A\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[100x ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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