

## Datasheet: VPA00543

<b>Description:</b>	RABBIT ANTI WILMS TUMOR 1
<b>Specificity:</b>	WILMS TUMOR 1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	100 µl

## 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid.
<b>Preparation</b>	Rabbit polyclonal antibody purified by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline.
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ).
<b>Immunogen</b>	KLH conjugated synthetic peptide corresponding to amino acid 346-375 of human Wilm's tumor 1.

### External Database Links

#### UniProt:

[P19544](#)

[Related reagents](#)

#### Entrez Gene:

**Specificity** **Rabbit anti Human Wilm's tumor 1 antibody** recognizes Wilms tumor 1, also known as WT1, amino-terminal domain of EWS or WT33.

WT1 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. WT1 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. WT1 mRNA undergoes RNA editing in human and rat, and this process is tissue-restricted and developmentally regulated (Sharma *et al.* 1994) (provided by RefSeq, Oct 2010).

Rabbit anti Human Wilm's tumor 1 antibody detects a band of 55 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

**Western Blotting** Anti Wilms tumor 1 detects a band of approximately 55 kDa in K562 cell lysates.

**Storage** Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

**Guarantee** 12 months from date of despatch.

**Acknowledgements** PrecisionAb is a trademark of Bio-Rad Laboratories.

**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/VPA00543>  
Antibody (10040)

**Regulatory** For research purposes only.

## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

'M416387:230301'

Printed on 13 Aug 2023