

Datasheet: VMA00698KT

Description:	WILMS TUMOR 1 ANTIBODY WITH CONTROL LYSATE
Specificity:	WILMS TUMOR 1
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Isotype:	IgG
Quantity:	2 Westerns

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
Western Blotting	▪			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. 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 dependant on sample type.

Target Species	Human
Product Form	Purified IgG - Liquid
Preparation	20µl Rabbit monoclonal antibody affinity purified on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Immunogen	Recombinant protein of human Wilms tumor 1
External Database Links	<p>UniProt: P19544 Related reagents</p> <p>Entrez Gene: 7490 WT1 Related reagents</p>

Specificity **Rabbit anti Human Wilms tumor 1 antibody** recognizes the Wilms tumor protein, also known as WT1.

WT1 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 Wilms 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. Authors of PMID:7926762 also provide evidence that WT1 mRNA undergoes RNA editing in human and rat, and that this process is tissue-restricted and developmentally regulated (provided by RefSeq, Oct 2010).

Rabbit anti Human Wilms tumor 1 antibody detects bands of 50 and 60 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting	Rabbit anti Wilms tumor 1 detects bands of approximately 50 & 60 kDa in K562 cell lysates
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Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
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Lysate Composition	400µg K562 lysate lyophilized in RIPA buffer
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Lysate Reconstitution	- If using DDT reconstitute the lyophilized lysate with 190µl DI H ₂ O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT. - If using BME reconstitute the lyophilized lysate with 180µl DI H ₂ O, add 200µl 2x Laemmli Sample Buffer and 20µl BME. Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.
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Storage	Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles. Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.
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Guarantee	As supplied, 12 months from date of despatch
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Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories
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Health And Safety Information	Material Safety Datasheet documentation #10040 #10561 available at: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf Lysate Material (10561): https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

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

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