

Datasheet: VPA00675KT

Description:	SQSTM1 ANTIBODY WITH CONTROL LYSATE
Specificity:	SQSTM1
Format:	Purified
Product Type:	PrecisionAb™ Polyclonal
Isotype:	Polyclonal 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 polyclonal antibody purified by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative	0.01% Thiomersal
Stabilisers	<50% Glycerol
Immunogen	Carrier-protein conjugated synthetic peptide encompassing part of the middle region of human SQSTM1
External Database Links	<p>UniProt: Q13501 Related reagents</p> <p>Entrez Gene: 8878 SQSTM1 Related reagents</p>
Synonyms	ORCA, OSIL
Specificity	Rabbit anti Human SQSTM1 antibody recognizes sequestosome-1, also known as EBI3-associated protein of 60 kDa, EBI3-associated protein p60, EBIAP or ubiquitin-binding protein

The SQSTM1 gene encodes a multifunctional protein that binds ubiquitin and regulates activation of the nuclear factor kappa-B (NF- κ B) signaling pathway. The protein functions as a scaffolding/adaptor protein in concert with TNF receptor-associated factor 6 to mediate activation of NF- κ B in response to upstream signals. Alternatively spliced transcript variants encoding either the same or different isoforms have been identified for SQSTM1. Mutations in SQSTM1 gene result in sporadic and familial Paget disease of bone (provided by RefSeq, Mar 2009).

Rabbit anti Human SQSTM1 antibody detects a band of 60 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting	Rabbit anti SQSTM1 detects a band of approximately 60 kDa in HeLa 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	400 μ g HeLa lysate lyophilized in RIPA buffer.
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Lysate Reconstitution	- If using DDT reconstitute the lyophilized lysate with 190 μ l DI H ₂ O, add 200 μ l 2x Laemmli Sample Buffer and 10 μ l 2M DTT. - If using BME reconstitute the lyophilized lysate with 180 μ l DI H ₂ O, add 200 μ l 2x Laemmli Sample Buffer and 20 μ l BME. Heat at 95°C for 5 minutes. For 10 well mini gels load 25 μ l. 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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Shelf Life	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 #10097 #10561 available at: Antibody (10097): https://www.bio-rad-antibodies.com/uploads/MSDS/10097.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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