

Datasheet: VPA00675KT

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| 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.

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| Target Species | Human |
| Product Form | Purified IgG - liquid |
| Preparation | 20µl Rabbit polyclonal antibody purified by affinity chromatography |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.01% Thiomersal <50% Glycerol |
| Immunogen | Carrier-protein conjugated synthetic peptide encompassing part of the middle region of human SQSTM1 |
| External Database Links | UniProt: Q13501 Related reagents |

Entrez Gene:[8878](#) SQSTM1 [Related reagents](#)

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|--------------------------------------|---|
| Synonyms | ORCA, OSIL |
| Specificity | <p>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 p62.</p> <p>The SQSTM1 gene encodes a multifunctional protein that binds ubiquitin and regulates activation of the nuclear factor kappa-B (NF-κB) signaling pathway. The protein functions as a scaffolding/adaptor protein in concert with TNF receptor-associated factor 6 to mediate activation of NF-κB 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).</p> <p>Rabbit anti Human SQSTM1 antibody detects a band of 60 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p> |
| Western Blotting | Rabbit anti SQSTM1 detects a band of approximately 60 kDa in HeLa cell lysates |
| 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. |
| Lysate Composition | 400µg HeLa lysate lyophilized in RIPA buffer. |
| Lysate Reconstitution | <p>- If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.</p> <p>- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.</p> <p>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.</p> |
| Storage | <p>Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</p> <p>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.</p> |
| Guarantee | As supplied, 12 months from date of despatch |
| Acknowledgements | PrecisionAb™ is a trademark of Bio-Rad Laboratories |
| Health And Safety Information | <p>Material Safety Datasheet documentation #10097 #10561 available at:</p> <p>Antibody (10097): https://www.bio-rad-antibodies.com/uploads/MSDS/10097.pdf</p> <p>Lysate Material (10561): https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf</p> |
| Regulatory | For research purposes only |

Related Products

Recommended Secondary Antibodies

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

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|----------------------------------|---|------------------|---|---------------|---|
| North & South America | Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: 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 | Europe | Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com |
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Look out for updates on how to access your digital version at bio-rad-antibodies.com

'M351509:190318'

Printed on 10 Feb 2021

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