

Datasheet: VMA00725KT

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| Description: | XRN2 ANTIBODY WITH CONTROL LYSATE |
| Specificity: | XRN2 |
| Format: | Purified |
| Product Type: | PrecisionAb™ Monoclonal |
| Clone: | OTI5F4 |
| Isotype: | IgG2b |
| 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 |
| Species Cross Reactivity | Reacts with: Mouse N.B. Antibody reactivity and working conditions may vary between species. |
| Product Form | Purified IgG - Liquid |
| Preparation | 20µl Mouse monoclonal antibody affinity purified on Protein G from ascites |
| Buffer Solution | Phosphate buffered saline |
| Preservative | 0.09% Sodium Azide |
| Stabilisers | 1% Bovine Serum Albumin |
| Immunogen | <i>E. coli</i> -derived recombinant protein of amino acids 677-779 of human XRN2 |
| External Database Links | <p>UniProt: Q9H0D6 Related reagents</p> <p>Entrez Gene: 22803 XRN2 Related reagents</p> |

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| Specificity | <p>Mouse anti Human XRN2 antibody recognizes XRN2 , also known as DHP protein, 5'-3' exoribonuclease 2 and Dhml-like protein (mouse homolog).</p> <p>XRN2 shares similarity with the mouse Dhml and the yeast dhp1 gene. The yeast gene is involved in homologous recombination and RNA metabolism, such as RNA synthesis and RNA trafficking. Complementation studies show that Dhml has a similar function in mouse as dhp1. The function of the human gene has not yet been determined. Transcript variants encoding different isoforms have been noted for XRN2; however, their full-length nature is not known (provided by RefSeq, Jul 2008).</p> <p>Mouse anti Human XRN2 antibody detects a band of 110 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p> |
| Western Blotting | Mouse anti XRN2 detects a band of approximately 110 kDa in HepG2 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 HepG2 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 #10041 #10561 available at:</p> <p>Antibody (10041): https://www.bio-rad-antibodies.com/uploads/MSDS/10041.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 Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

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