

## Datasheet: 9400-1502

<b>Description:</b>	NATIVE BOVINE UBIQUITIN
<b>Name:</b>	UBIQUITIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Purified Protein
<b>Quantity:</b>	25 mg

## 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
ELISA	■			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

<b>Target Species</b>	Bovine
<b>Product Form</b>	Purified protein from bovine erythrocytes - lyophilised
<b>Reconstitution</b>	Reconstitute with 25 ml distilled water Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For long term storage the addition of 0.09% sodium azide is recommended.
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	1.0 mg/ml after reconstitution.
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P62990</a> <a href="#">Related reagents</a>
<b>Product Information</b>	Ubiquitin is a protein modifier that is covalently linked to target lysines and functions in protein degradation.
<b>Molecular Weight</b>	MW: 8,500
<b>Purity</b>	SDS PAGE: >98%
<b>ELISA</b>	9400-1502 may be used as a standard in an indirect ELISA with <a href="#">9400-0409G</a> .

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**References**

1. Wilkinson, K.D. & Audhya, T.K. (1981) Stimulation of ATP-dependent proteolysis requires ubiquitin with the COOH-terminal sequence Arg-Gly-Gly. [J Biol Chem. 256 \(17\): 9235-41.](#)
2. Levinger, L. & Varshavsky, A. (1982) Selective arrangement of ubiquitinated and D1 protein-containing nucleosomes within the Drosophila genome. [Cell. 28 \(2\): 375-85.](#)
3. Ciechanover, A. *et al.* (1984) The ubiquitin-mediated proteolytic pathway and mechanisms of energy-dependent intracellular protein degradation. [J Cell Biochem. 24 \(1\): 27-53.](#)
4. Haas, A.L. & Bright, P.M. (1985) The immunochemical detection and quantitation of intracellular ubiquitin-protein conjugates. [J Biol Chem. 260 \(23\): 12464-73.](#)
5. Yang, C.S. *et al.* (2017) Ubiquitin Modification by the E3 Ligase/ADP-Ribosyltransferase Dtx3L/Parp9. [Mol Cell. 66 \(4\): 503-516.e5.](#)

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**Storage**

Prior to reconstitution store at +4°C.  
After reconstitution store at -20°C.  
Storage in frost-free freezers is not recommended. This product should be stored undiluted.  
Avoid repeated freezing and thawing as this may denature the antibody.  
Should this product contain a precipitate we recommend microcentrifugation before use.

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**Shelf Life**

12 months from date of reconstitution.

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**Health And Safety Information**

Material Safety Datasheet documentation available at:  
Material Safety Datasheet Documentation #10268 available at:  
<https://www.bio-rad-antibodies.com/uploads/MSDS/10268.pdf>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Useful Reagents

[SHEEP ANTI BOVINE UBIQUITIN \(9400-0409G\)](#)

**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)

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