

Datasheet: 9400-1502

BATCH NUMBER 163414

Description:	NATIVE BOVINE UBIQUITIN
Name:	UBIQUITIN
Format:	Purified
Product Type:	Purified Protein
Quantity:	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.

	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 appropriate negative/positive controls.

Target Species	Bovine
Product Form	Purified protein from bovine erythrocytes - lyophilized
Reconstitution	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.
Preservative Stabilisers	None present
Approx. Protein Concentrations	1.0 mg/ml after reconstitution
External Database Links	UniProt: P62990 Related reagents

Product Information Ubiquitin is a protein modifier that is covalently linked to target lysines and functions in

protein degradation.

Protein Molecular Weight	8,500
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Purity	>98% by SDS PAGE
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ELISA	9400-1502 may be used as a standard in an indirect ELISA with 9400-0409G .
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References	<ol style="list-style-type: none">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. Yang, C.S. <i>et al.</i> (2017) Ubiquitin Modification by the E3 Ligase/ADP-Ribosyltransferase Dtx3L/Parp9. Mol Cell. 66 (4): 503-516.e5.
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Further Reading	<ol style="list-style-type: none">1. Ciechanover, A. <i>et al.</i> (1984) The ubiquitin-mediated proteolytic pathway and mechanisms of energy-dependent intracellular protein degradation. J Cell Biochem. 24 (1): 27-53.2. Haas, A.L. & Bright, P.M. (1985) The immunochemical detection and quantitation of intracellular ubiquitin-protein conjugates. J Biol Chem. 260 (23): 12464-73.
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Storage	<p>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.</p>
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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10268 available at: https://www.bio-rad-antibodies.com/SDS/9400-1502 10268
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Regulatory	For research purposes only
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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