

Datasheet for W00-001-P09

APG8 Control Lysate

Overview

Description:	APG8 Control Lysate - W00-001-P09
Item No.:	W00-001-P09
Size:	200 µg
Expressed in:	E. coli

Product Details

Background:	Ready-to-use positive control lysates produced by Rockland Immunochemicals are derived from bacterial strains, cell lines or tissues using highly refined extraction protocols to ensure exceptionally high quality, protein integrity and lot-to-lot reproducibility. All extracts are tested by SDS-PAGE using 4-20% gradient gels and immunoblot analysis using antibodies to the relevant epitope(s) that confirm the presence of the protein(s) of interest. This product is intended as a positive control for use with Rockland Immunochemicals anti-APG8 antibodies.
Synonyms:	APG8, AUT7, CVT5, APG8 Positive Control Lysate
Expressed in:	E. coli
Reagent Type:	Other

Target Details

Gene Name:	ATG8
Purity/Specificity:	Following induction for expression of the recombinant protein, E. coli culture was pelleted by centrifugation and resuspended in lysis buffer containing protease inhibitors. The cells were lysed using enzymatic lysis and sonication. The insoluble fraction of the lysate was subsequently separated from the soluble fraction using centrifugation and a sample of the soluble fraction was used to determine protein concentration by Lowry assay with a commercially available kit. The protein concentration was adjusted to 2 mg/ml and then an equal volume of 2X SDS-PAGE sample buffer was added.

Application Details

Application Note:	Ready-to-use lysates are especially prepared as positive controls for separation by SDS-PAGE and subsequent western blot analysis. Lysates are prepared in denaturing buffer WITHOUT dissociating agents (i.e. no 2-mercaptoethanol or dithiothreitol has been added). If dissociating conditions are desired, add reducing agent prior to heating. Gently invert vial several times to ensure that the solution is homogeneous and that any precipitated material is re-dissolved. A loading volume of 0.25 to 2.0 μ L is recommended for SDS-PAGE. The product is supplied in 1X loading buffer and is ready-to-use.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by modified Lowry assay
Buffer:	1X SDS-PAGE Sample Buffer (62.5 mM Tris HCl, 2% SDS, 10% Glycerol and 0.005% bromophenol blue, pH 6.8)
Preservative:	None
Stabilizer:	10% (v/v) Glycerol

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -70° C or COLDER. For extended storage, aliquot contents to minimize freeze/thaw cycles.
Expiration:	Expiration date is three (3) months from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.

