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Datasheet for 100-401-A07

PARC Antibody

Overview

Description:	Anti-PARC (C-terminal specific) (RABBIT) Antibody - 100-401-A07
Item No.:	100-401-A07
Size:	100 µL
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Cullins assemble a potentially large number of ubiquitin ligases by binding to the RING protein ROC1 to catalyse polyubiquitination, as well as binding to various specificity factors to recruit substrates. PARC is a cullin family member that functions as a cytoplasmic anchor protein in p53 -associated protein complexes. PARC regulates the subcellular localization of p53 and subsequent function. PARC forms a complex with p53 in the cytoplasm of unstressed cells and interacts with UBCH7 and UBCH8. PARC shows a cytoplasmic localization and is ubiquitously expressed in all tissues with highest expression in testis brain and kidney.
Synonyms:	rabbit anti-PARC Antibody, p53 associated parkin like cytoplasmic protein antibody, RP3 330M21.2 antibody, UbcH 7 associated protein 1 antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	CUL9
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	This antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids 2503-2517 of Human PARC (C-terminus) coupled to KLH.

Purity/Specificity:	This product is monospecific antiserum processed by delipidation and defibrination followed by sterile filtration. This product reacts with human and mouse PARC. Cross reactivity with PARC from other sources is not known.
Relevant Links:	• 100-401-A07 SDS • UniProtKB - Q8IWT3 • NCBI - Q8IWT3.2 • GeneID - 23113

Application Details

Application Note:	Anti-PARC reacts with human and mouse PARC by western blot and immunoprecipitation. The antibody immunoprecipitates protein from cell lysates (using HeLa, NIH-3T3, and others). To date co-immunoprecipitation using 35S-IP has been negative. A 281.2 kDa band corresponding to human PARC is detected. Most cell lines expressing PARC can be used as a positive control. Researchers should determine optimal titers for other applications.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:2,000 - 1:10,000
IHC:	User Optimized
IP:	User Optimized
WB:	1:500 - 1:1,000

Formulation

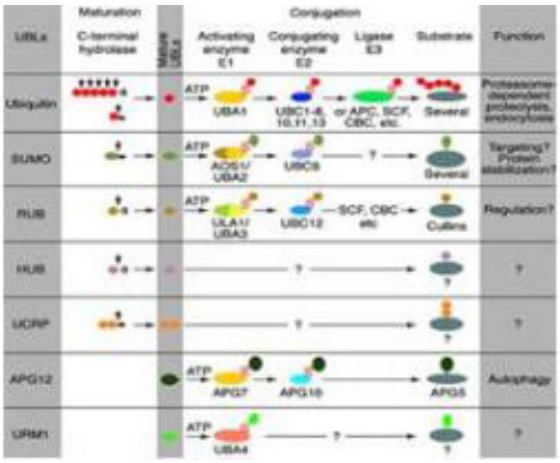
Physical State:	Liquid (sterile filtered)
Concentration:	85 mg/mL by Refractometry
Buffer:	None
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice

Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Pathway
Most modifiers mature by proteolytic processing from inactive precursors (a; amino acid). Arrowheads point to the cleavage sites. Ubiquitin is expressed either as polyubiquitin or as a fusion with ribosomal proteins. Conjugation requires activating (E1) and conjugating (E2) enzymes that form thiolesters (S) with the modifiers. Modification of cullins by RUB involves SCF(SKP1/cullin-1/F-box protein) /CBC(cullin-2/elongin B/elonginC) -like E3 enzymes that are also involved in ubiquitination. In contrast to ubiquitin, the UBLs do not seem to form multi-UBL chains. UCRP(ISG15) resembles two ubiquitin moieties linked head-to-tail. Whether HUB1 functions as a modifier is currently unclear. APG12 and URM1 are distinct from the other modifiers because they are unrelated in sequence to ubiquitin. Data contributed by S.Jentsch.

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.