

RUB1 polyclonal antibody

Catalog # PAB11355 Size 500 ug

Applications

Western Blot (Recombinant protein)



RUB1 polyclonal antibody (Cat # PAB11355), generated by immunization with full-length, recombinant yeast RUB1, was tested by immunoblot against a yeast cell lysate.

A dilution of the antibody between 1:200 and 1:1,000 will show strong reactivity specifically with free RUB1 protein (indicated by arrow) and RUB1 conjugates. In this blot, the antibody was used at a 1:500 dilution and was incubated overnight at 4°C in 5% non-fat dry milk in TTBS.

Detection occurred using a 1:2000 dilution of HRP-labeled Donkey anti-Rabbit IgG for 1 hour at room temperature.

A chemiluminescence system was used for signal detection (Roche).

Specification

Product Description	Rabbit polyclonal antibody raised against full length recombinant RUB1.
Immunogen	Recombinant protein corresponding to full length <i>Saccharomyces cerevisiae</i> RUB1.
Host	Rabbit
Reactivity	Yeast
Form	Lyophilized
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Recommend Usage	ELISA (1:1000-1:5000) Western Blot (1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 20 mM potassium phosphate buffer, 150 mM NaCl, pH 7.2 (0.01% sodium azide)

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
Aliquot after reconstitution to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — RUB1

Entrez GeneID	851717
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Gene Name	RUB1
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Gene Alias	-
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Gene Description	Rub1p
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Gene Ontology	Hyperlink
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Gene Summary	Rtt101p
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Other Designations	Ubiquitin-like protein with similarity to mammalian NEDD8; conjugation (neddylation) substrates include the cullins Cdc53p, Rtt101p, and Cul3p; activated by Ula1p and Uba3p (E1 enzyme pair); conjugation mediated by Ubc12p (E2 enzyme)
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Publication Reference

- [AXR1-ECR1-dependent conjugation of RUB1 to the Arabidopsis Cullin AtCUL1 is required for auxin response.](#)

del Pozo JC, Dharmasiri S, Hellmann H, Walker L, Gray WM, Estelle M.

The Plant Cell 2002 Feb; 14(2):421.

- [CSN1 N-terminal-dependent activity is required for Arabidopsis development but not for Rub1/Nedd8 deconjugation of cullins: a structure-function study of CSN1 subunit of COP9 signalosome.](#)

Wang X, Kang D, Feng S, Serino G, Schwechheimer C, Wei N.

Molecular Biology of the Cell 2002 Feb; 13(2):646.

- [The Arabidopsis cullin AtCUL1 is modified by the ubiquitin-related protein RUB1.](#)

del Pozo JC, Estelle M.

PNAS 1999 Dec; 96(26):15342.