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 Saccharomyces cerevisiae 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)

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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 shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Recombinant protein)

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Gene Info — RUB1

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

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.

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- 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.

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