

PRC1 Polyclonal Antibody, HRP

Catalog NumberPA1-27244

Product data sheet

Details		Species Reactivity	
Size	1 mg	Species reactivity	Human, Yeast
Host/Isotope	Rabbit / IgG	Published species	Fungi, Not Applicable
Class	Polyclonal	Tested Applications	
Type	Antibody	Dot blot (DB)	Assay-dependent
Immunogen	Carboxypeptidase Y from S. cerevisiae.	ELISA (ELISA)	1:20,000-1:100,000
Conjugate	HRP	Immunomicroscopy (IM)	Assay-dependent
Form	Liquid	Western Blot (WB)	Assay-dependent
Concentration	10 mg/mL	Published Applications	
Purification	Ion-exchange chromatography	Western Blot (WB)	See 1 publications below
Storage buffer	PBS, pH 7.2, with 10mg/mL BSA	<div>* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.</div>	
Contains	0.01% gentamicin sulfate		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

PA1-27244 detects Carboxypeptidase Y from S. cerevisiae samples.

Background/Target Information

This gene encodes a protein that is involved in cytokinesis. The protein is present at high levels during the S and G2/M phases of mitosis but its levels drop dramatically when the cell exits mitosis and enters the G1 phase. It is located in the nucleus during interphase, becomes associated with mitotic spindles in a highly dynamic manner during mitosis, and localizes to the cell mid-body during cytokinesis. This protein has been shown to be a substrate of several cyclin-dependent kinases (CDKs). It is necessary for polarizing parallel microtubules and concentrating the factors responsible for contractile ring assembly.

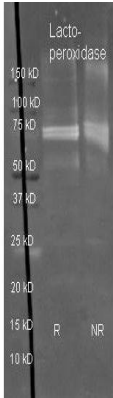
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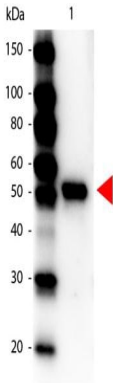
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Product Images For PRC1 Polyclonal Antibody, HRP



PRC1 Antibody (PA1-27244) in WB

PRC1 Polyclonal Antibody, HRP (Product # PA1-27244) was used to detect Lactoperoxidase under reducing (R) and non-reducing (NR) conditions. Reduced samples of purified target proteins contained 4% BME and were boiled for 5 minutes. Samples of 1µg of protein per lane were run by SDS-PAGE. Protein was transferred to nitrocellulose and probed with 1:3000 dilution of primary antibody (Overnight at 4°C in blocking buffer). Detection shown was using Dylight 488 conjugated secondary antibody (1:10K in TBS/blocking buffer 1 hr RT).



PRC1 Antibody (PA1-27244) in WB

Western Blot of Peroxidase conjugated Rabbit anti-Carboxypeptidase Y Antibody PRC1 Polyclonal Antibody, HRP (Product # PA1-27244). 1: Carboxypeptidase Y. 2: none. Load: 100 ng per lane. Primary antibody: none. Secondary antibody: Peroxidase rabbit Carboxypeptidase Y antibody at 1:1,000 for 60 min at RT Block for 30 min at RT. Predicted/Observed size: 53 kDa for Carboxypeptidase Y. Other band (s): none.

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PubMed References For PRC1 Polyclonal Antibody, HRP

1 Western Blot References

Species / Dilution	Summary
Fungi / 1:15,000	<p>PA1-27244 was used in western blot to study the role of Candida glabrata GPI-anchored yapsin aspartyl proteinases in the modulation of vacuolar homeostasis</p> <p>The Biochemical journal (2014; 458: 323)</p> <p>"GPI (glycosylphosphatidylinositol)-linked aspartyl proteases regulate vacuole homoeostasis in Candida glabrata."</p> <p>Author(s):Bairwa G,Rasheed M,Taigwal R,Sahoo R,Kaur R</p> <p>PubMed Article URL:http://dx.doi.org/10.1042/BJ20130757</p>

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