Ppa2 (S. pombe) antibody

Cat. No. GTX64145

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IP
Reactivity	Schizosaccharomyces pombe

Package
100 µl

Applications

Application Note

Immunoblotting (dilution: 1:1000)

Calculated MW	36 kDa. (Note)
Product Note	The antibody recognized both Ppa1 and Ppa2 polypeptides in S. pombe because of their high amino acid similarity (~80% identity)

Properties

Form	Liquid
Buffer	Serum
Preservative	0.05% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	Batch dependent (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant C-terminal polypeptide (26kDa) of S. pombe Ppa2
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

For full product information, images and publications, please visit our website.

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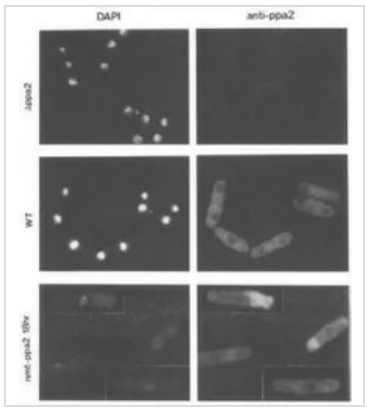
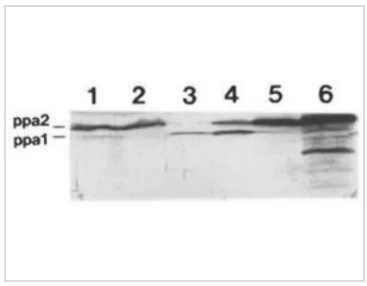
DATA IMAGES



GTX64145 ICC/IF Image

Cellular location of Ppa1 and Ppa2. Indirect immunofluorescence microscopy of ppa2 deletion, wild type (WT), and wild-type overexpressing ppa2 (nmt-ppa2, 18hr) was done, using anti-ppa2 antibody (right); The same cells stained by DAPI are also shown (left). Immunofluorescence was hardly detected in ppa2 cells, whereas cytoplasmic immunofluorescence was abundant in wild-type cells. Wild-type cells carrying nmt-ppa2 plasmid overexpress Ppa2 protein in the absence of thiamine for 18 hr. Immunofluorescence was enhanced further in the cytoplasm, often accumulated at the nuclear periphery or within restricted domains. The deformation of chromosomal DNA was also visible in overexpressed cells. Bar, 10um



GTX64145 WB Image

Identification of Ppa1 and Ppa2 proteins. An immunoblot with anti-ppa2 antibody is shown (ref.1). lane 1: Wild-type S. pombe lane 2: ppa1 lane 3: ppa2 lane 4: Wild-type carrying a multicopy plasmid with ppa1 gene lane 5: Wild-type carrying a multicopy plasmid with ppa2 gene lane 6:Wild-type carrying a multicopy plasmid with ADH promoter ligated with ppa2 gene The positions of ppa1 (36 kDa) and ppa2 (39 kDa) polypeptide bands are indicated.

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