



# Anti-PPA2 (C-terminal) polyclonal antibody (DPAB3121RS)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to Ppa2
<b>Antigen Description</b>	Schizosaccharomyces pombe Ppa2 is a type 2A-like serine/threonine-protein phosphatase catalytic subunit whose polypeptide sequence has ~80% identity to those of mammalian type 2A phosphatases. Ppa2 determines the sensitivity to okadaic acid, which is an inhibitor of protein serine/threonine phosphatases. The loss of the ppa2 gene causes cells to be hypersensitive to the okadaic acid. Ppa2 plays important roles in cell cycle control. It may be involved in controlling the entry into mitosis, possibly acting as an inhibitor. Ppa2 is abundant in the cytoplasm, in contrast to the type 1-like phosphatase Dis2, which is enriched in the nucleus. Thus Ppa2 may perform major functions outside the nucleus.
<b>Specificity</b>	The antibody recognized both Ppa1 and Ppa2 polypeptides in S. pombe because of their high amino acid similarity (~80% identity)
<b>Immunogen</b>	Recombinant C-terminal polypeptide (26kDa) of S. pombe Ppa2
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Schizosaccharomyces pombe
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IB, IF, IP
<b>Format</b>	Rabbit antiserum added with 0.05 % sodium azide
<b>Size</b>	100 µl
<b>Preservative</b>	0.05% Sodium Azide

**Storage**

Shipped at 4 °C and stored at -20°C (long period, -70°C)

## GENE INFORMATION

Gene Name	<a href="#">ppa2 serine/threonine protein phosphatase Ppa2 [ Schizosaccharomyces pombe 972h- ]</a>
Official Symbol	ppa2
Synonyms	ppa2; serine/threonine protein phosphatase Ppa2; SPBC16H5.07c; NP_595940.1; EC 3.1.3.16; Ppa2; Fungi; Ascomycota; Taphrinomycotina; Schizosaccharomycetes; Schizosaccharomycetales; Schizosaccharomycetaceae; Schizosaccharomyces; S. pombe; Schizosaccharomyces pombe
Entrez Gene ID	<a href="#">2540072</a>
Protein Refseq	<a href="#">NP_595940</a>
UniProt ID	<a href="#">P23636</a>
Pathway	Cell cycle - yeast; Meiosis - yeast; mRNA surveillance pathway
Function	phosphoprotein phosphatase activity