Anti-Cdc48 (*S. cerevisiae*) antibody, rabbit polyclonal

Product code	62-525
Size	100 µg
Storage	-20℃
Concentration	1 mg/ml
Buffer	PBS- with 50 % glycerol
Purity	Purified IgG fraction with protein A from rabbit antiserum (62-303).
Immunogen	Synthetic peptide HPDQYTKFGLSPSK (509~521) corresponding to 509~521 of Cdc48 protein.
Isotype	Rabbit IgG
Reactivity	*S. cerevisiae* Cdc48, not tested with other species
Special notes	Purified from rabbit antiserum (62-303)
Application	1. Western blotting (1/500-1/ 5,000) Not tested for other applications.
Background	Involved in spindle disassembly, degradation of ubiquitinated proteins and protein export from the endoplasmic reticulum to the cytoplasm. Acts as a chaperone that collects ubiquitinated substrates. Has a role in the endoplasmic reticulum-associated degradation (ERAD) pathway. Required for the proteasome-dependent processing/activation of MGA2 and SPT23 transcription factors leading to the subsequent expression of OLE1. Has an additional role in the turnover of OLE1 where it targets ubiquitinated OLE1 and other proteins to the ERAD. Cdc48 consists of 836 amino acids with molecular mass of 92 kDa.
Data Link	UniProtKB P25694 CDC48_YEST

Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.

BioAcademia,Inc. Tel. 81-6-6877-2335 Fax. 81-6-6877-2336 info@bioacademia.co.jp https://www.bioacademia.co.jp/en/

Data Images: 62-525 Anti-Cdc48 (*S. cerevisiae*) antibody, rabbit polyclonal

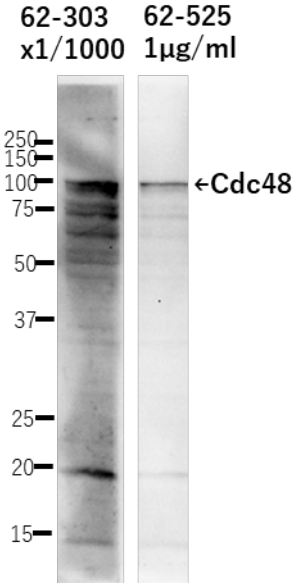


Fig.1 Identification of endogenous Cdc48 protein in crude extract of *S. cerevisiae* .

Total protein (20 µg) of *S. cerevisiae* strain BY4741 was analyzed by western blot.

Primary antibody 62-303 x1/1000dilutions

62-525 1µg/ml

As second antibody, HRP-conjugated anti-rabbit IgG was used at 1/10,000 dilution.

Positions of molecular size markers were shown in kDa on the left. Cdc48 calculated from amino acids sequence is 92 kDa

References: This antibody was described in Ref.1 and used in Ref. 1 and 2.

1. Noguchi M. et al. ATPase activity of p97/valosin-containing protein is regulated by oxidative modification of the evolutionally conserved cysteine 522 residue in Walker A motif. J Biol Chem. 2005; 280(50):41332-41.
2. Takata T. et al. Rescue of growth defects of yeast cdc48 mutants by pathogenic IBMPFD-VCPs. J Struct Biol. 2012 ;179(2):93-103.

Related Products:

62-300 anti-Sup35/PSI+ (S.cerevisiae) antibody, rabbit polyclonal

62-301 anti-Rnq1(S.cerevisiae) antibody, rabbit polyclonal

62-302 anti-Cdc37(S.cerevisiae) antibody, rabbit serum

62-303 Anti-Cdc48 (S. cerevisiae) antibody, rabbit serum

BioAcademia,Inc. Tel. 81-6-6877-2335 Fax. 81-6-6877-2336 info@bioacademia.co.jp https://www.bioacademia.co.jp/en/