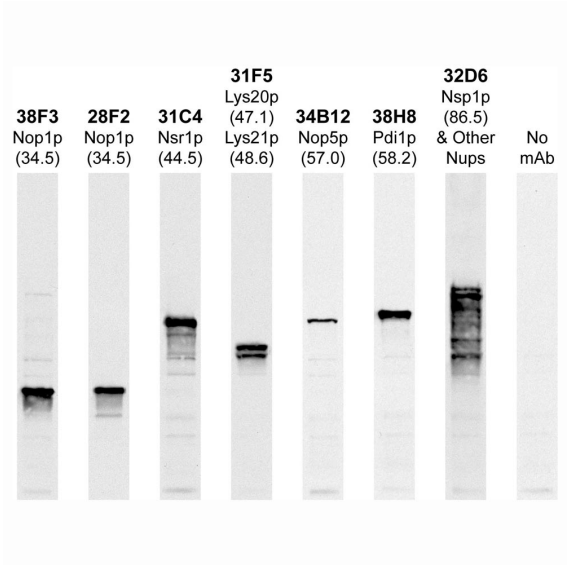
Pma1p Mouse Monoclonal Antibody

MCA-40B7

Ordering Information
Web *www.encorbio.com*
Email *admin@encorbio.com*
Phone *352-372-7022*
Fax *352-372-7066*

HGNC Name: *NA*
UniProt: *W1QH21*
RRID: *AB_2572377*
Immunogen: *Yeast nuclear prep*
Format: *Concentrated hybridoma cell culture media plus 5mM NaN_3*
Storage: *Store at 4°C for short term, for longer term at -20°C. Avoid freeze/thaw cycles.*
Recommended dilutions:
Western blot: 1:10,000. ICC/IF: 1:1,000-1:5,000

Applications	Host	Isotype	Molecular Wt.	Species Cross-Reactivity
WB, ICC/IF	Mouse	IgG	100kDa	Sc



Western blots of whole yeast protein extracts with a collection of EnCor antibodies. The blot for MCA-40B7 is in the indicated lane, and the number indicates the SDS-PAGE molecular weight in kiloDaltons.

Background:

Pma1p is an abundant multidomain protein of yeast which is localized in the plasma membrane. It functions as a major regulator of cytoplasmic pH by pumping protons out of the cell. It is part of the P2 subgroup of cation-transporting ATPases. Since Pma1p is a major plasma membrane protein, antibodies which bind to it such as MCA-40B7 are useful markers of yeast plasma membranes.

The MCA-40B7 antibody was originally generated after immunization of a yeast nuclear preparation into a mouse for monoclonal antibody production. On screening antibodies generated from the resulting cloned hybridomas, one was found to bind to the yeast plasma membrane in immunofluorescence. This antibody was subsequently found to recognize the yeast Pma1p protein.

References:

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Abbreviation Key:

mAb—Monoclonal Antibody pAb—Polyclonal Antibody WB—Western Blot IF—Immunofluorescence ICC—Immunocytochemistry IHC—Immunohistochemistry E—ELISA Hu—Human Mo—Monkey Do—Dog Rt—Rat Ms—Mouse Co—Cow Pi—Pig Ho—Horse Ch—Chicken Dr—D. rerio Dm—D. melanogaster Sm—S. mutans Ce—C. elegans Sc—S. cerevisiae Sa—S. aureus Ec—E. coli.

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