

Mer2 (phospho Ser30) antibody

Cat. No. GTX48730

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, IP, ELISA
Reactivity	Saccharomyces cerevisiae

Package

50 µg

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:1000-1:10000
IP	1:100
ELISA	1:5000-1:25000

Not tested in other applications.

Calculated MW 36 kDa. ([Note](#))

Properties

Form	Liquid
Buffer	20mM Potassium Phosphate, 150mM NaCl
Preservative	0.01% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Synthetic peptide corresponding to amino acids 26-35 of Saccharomyces cerevisiae Mer2 protein.
Purification	Purified by antigen-affinity chromatography. From serum
Conjugation	Unconjugated

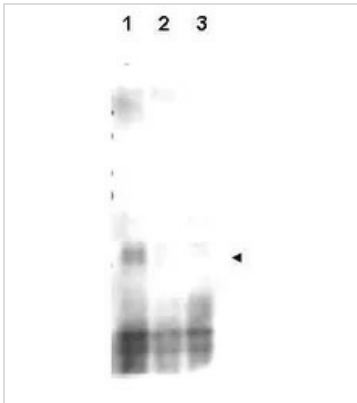
Note

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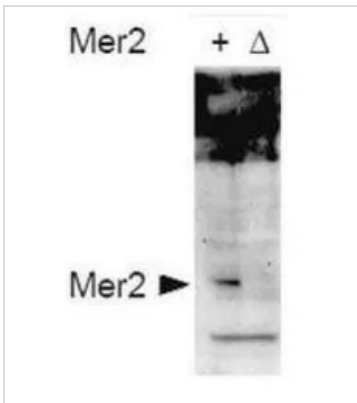
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DATA IMAGES

GTx48730 WB Image

Western blot using GeneTex's affinity purified anti-*S.cerevisiae* Mer2 pS30 antibody shows detection of phosphorylated Mer2 but not phosphatase treated or mutant cells. Lane 1 contains Mer2-myc protein detected in wild type cells after first immunoprecipitating the protein using anti-myc antibody. Cells were harvested 4 h after the initiation of meiosis and therefore contain mostly phosphorylated Mer2. Lane 2 contains the same preparation after treatment with phosphatase. Lane 3 contains Mer2-S30A protein as a phosphorylation control. This antibody appears to be specific for phosphorylated Mer2 at the S30 position with negligible cross reactivity against unphosphorylated protein. The primary antibody was used at a 1:5,000 dilution.


GTx48730 WB Image

Western blot using GeneTex's affinity purified anti-*S.cerevisiae* Mer2 pS30 antibody shows detection of phosphorylated Mer2 in whole cell extracts. Cells were either wild type (+) or contained mer2 deletions (Δ). Extracts were prepared from cells 4hr after initiation of meiosis. Proteins were obtained using TCA precipitation. The primary antibody was used at a 1:7,500 dilution. Secondary antibody was used at 1:5,000 dilution. Personal Communication. Michael Lichten, NIH, CCR, Bethesda, MD.



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