TUP1. Mouse Monoclonal Antibody 10 , Yeast (*Saccharomyces cerevisiae*)

Background

Yeast Tup 1p-Ssn6p repressor complex represents a novel paradigm for transcriptional repression and for the role of chromatin in repression. TUP 1 and SSN6 are involved in repression of several diverse families of genes in yeast, including cell type-specific genes regulated by the alphga2 and a1/alpha2 repressors. Ssn6-Tupl interacts with class I histone deacetylases required for repression, and rfecrfuitment of yeast Tuplp-Ssn6p repressor is associated with localized decreases in histone acetylation.

Ordering Information

Catalog Number
X1538M

Size
100 µg

Form
Unconjugated

Host/Clone
Mouse Clone 10

Formulation
Provided as solution in phosphate buffered saline with 0.08% sodium azide

Concentration
1 mg/ml

Isotype
IgG

Applications
Western Blot

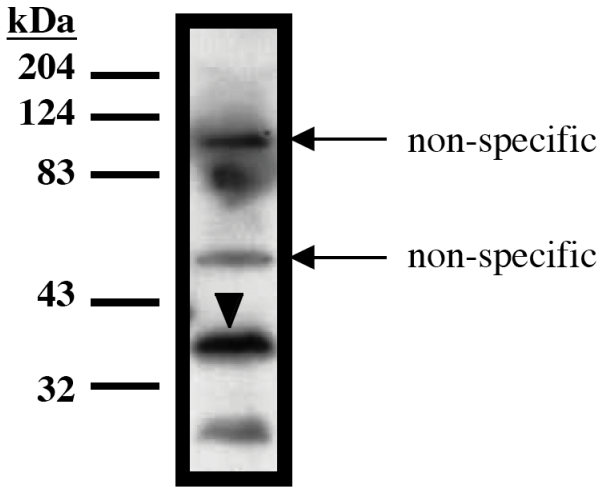
Immunogen

Recombinant protein derived from the amino acids 1-200 of yeastt TUP1 protein

Species Reactivity

Yeast (*Saccharomyces cerevisiae*)

Legend:
Western blot analysis using TUP1 antibody on recombinant TUP1 protein (amino acids 1-200) expressed in Mav108 cells.



For research use only. Not for use in human diagnostics or therapeutics.

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POSITIVE CONTROL/TISSUE EXPRESSION

Mav108 cells expressing recombinant TUP1 protein

COMMENTS

Antibody can be used for Western blotting (5-10 μg/ml). Optimal concentration should be evaluated by serial dilutions.

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20ºC. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

Bone, J.R. and Roth, S.Y. "Recruitment of the yeast Tup1p-Ssn6p repressor is associated with localized decreases in histone acetylation." J. Biol. Chem 2001, 276, 1808-1813

Watson, A.D., et al. "Ssn6-Tup1 interacts with class I histone deacetylase required for repression." Genes and Development 2000, 14, 2737-2744

Yang, X., et al. "Recruitment of O-GlcNAc transferase to promoters by corepressor mSin3A: Coupling protein O-GlcNAcylation to transcriptional repressor." Cell 2002, 110, 69-80

DeSilva, H., et al. "Functional dissection of yeast Hir1p, a WD repeat-containing transcriptional corepressor." Genetics 1998, 148, 657-667

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