

Docket #: S01-245H

Anti-Set1p monoclonal antibody

Researchers in the laboratory of Dr. Michael Cleary at Stanford University have developed anti-Set1p monoclonal antibodies to study chromatin regulation and histone methylation. Histone methylation has emerged as a modification for recruitment of proteins that determine transcriptional accessibility of genes. Set1p is a yeast protein that is a component of a seven-member complex that is required for a specific histone methylation. The anti-Set1p antibodies could be used to study chromatin remodeling as well as epigenetic regulation of developmental and sex-specific gene expression.

Applications

- **Research** of histone methylation related to:
 - epigenetic regulation
 - chromatin remodeling
 - sex-specific gene expression

Publications

- Nagy PL, Griesenbeck J, Kornberg RD, Cleary ML., ["A trithorax-group complex purified from *Saccharomyces cerevisiae* is required for methylation of histone H3."](#) *Proc Natl Acad Sci U S A*. 2002 Jan 8;99(1):90-4. Epub 2001 Dec 18.

Innovators

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