

## Di-Methyl-Histone H3 (Lys27) Mouse Monoclonal Antibody

### Catalog #: EAB10193

Host/Isotype	Clonality	Applications	MW (kDa)	Reactivity
Mouse IgG1	Monoclonal	WB, IP, IHC-P	15	Human, Mouse, Rat

### Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

WB(Western Blotting)	1:1000-5000
IP(Immunoprecipitation)	1:20-200
IHC-P(Immunohistochemistry-Paraffin)	1:100-500

### Product Information

Conjugate	Unconjugate
Specificity	Di-Methyl-Histone H3 (Lys27) Mouse Monoclonal Antibody detects endogenous levels of histone H3 when di-methylated on Lys27.
Purification	Affinity purification
Concentration	1mg/ml
Format	Liquid
Formulation	In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol
Shipping	Gel Pack
Storage	Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks
UniProt ID	<a href="#">P68431</a>
Entrez-Gene Id	<a href="#">8350</a>

### Product Description

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3.

**For Reserch Use Only. Not For Use In Diagnostic Procedures**