

**Product Name: Pan Methylated Lysine(Mix)Mouse
Monoclonal Antibody
Catalog #: AMM06167**

Summary

Production Name	Pan Methylated Lysine(Mix)Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,IHC-P,IF-P,IF-F,ICC/IF
Reactivity	Species independent

Performance

Conjugation	Unconjugated
Modification	Methyl Antibody
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	PBS, pH 7.4, containing 0.5%BSA, 0.02% New type preservative N as Preservative and 50% Glycerol.
Purification	Affinity purification

Immunogen

Gene Name	
Alternative Names	
Gene ID	
SwissProt ID	.Conjugated Protein

Application

Dilution Ratio	WB 1:1000-2000, IHC-P 1:200-500, IF-P/IF-F/ICC/IF 1:50-200
Molecular Weight	

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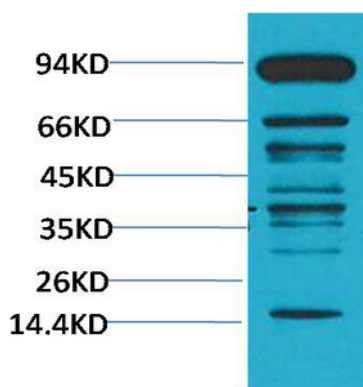


Background

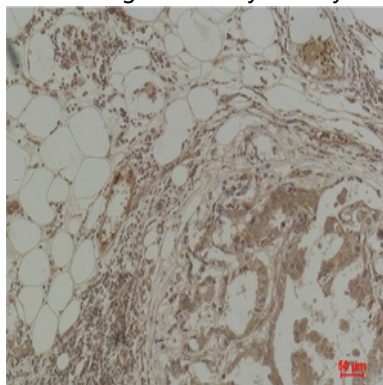
Methylation of lysine residues is a common regulatory posttranslational modification (PTM) that results in the mono-, di-, or tri-methylation of lysine at ϵ -amine groups by protein lysine methyltransferases (PKMTs). Two PKMT groups are recognized based on structure and catalytic mechanism: class I methyltransferases or seven β strand enzymes, and SET domain-containing class V methyltransferases. Both use the methyl donor S-adenosyl-L-methionine to methylate histone and non-histone proteins. Class I methyltransferases methylate amino acids, DNA, and RNA. Six methyl-lysine-interacting protein families are distinguished based on binding domains: mBT, PHD finger, Tudor, PWWP, WD40 repeat, and chromodomains. Many of these display differential binding preferences based on lysine methylation state. KDM1 subfamily lysine demethylases catalyze demethylation of mono- and di-methyl lysines, while 2-oxoglutarate-dependent JmjC (KDM2-7) subfamily enzymes also modify tri-methyl lysine residues.

Research Area

Image Data



Western blot analysis of Hela using Pan Methylated Lysine Monoclonal Antibody.



Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma using Pan Methylated Lysine Monoclonal Antibody.

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Note

For research use only.