

Anti-Methylated Lysine (Tri-ε-N-methyl), HRP Conjugated

Catalog # L95-67DR

Lot # E372-9

Cited Applications

For WB, ELISA, IP, IHC, IF

Ideal working dilutions for each application should be empirically determined by the investigator.

Specificity

Recognizes proteins with tri-methylation on lysine residues (N-epsilon).

Cross Reactivity

Pan-specific antibody. No cross-reactions detected with acetylated, mono-methylated and di-methylated proteins.

Host/Isotype/Clone#

Rabbit

Immunogen

Methylated lysine-KLH conjugates.

Conjugation

Reductive amination, the HRP : Ab molar ratio was 2:1.

Formulation

PBS, 50% glycerol, pH7.

Stability

Store at 4°C (add 0.1% NaN₃) for several months, and at -20°C for longer periods. For optimal storage, aliquot antibody into smaller quantities after centrifugation and store at recommended temperature. For optimal performance, avoid repeated handling and multiple freeze/thaw cycles.

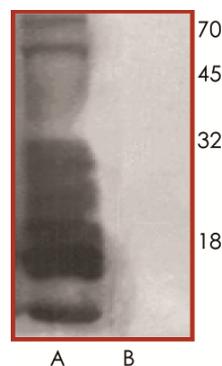
Scientific Background

Post-translational modification of proteins and peptides is a robust way to regulate function of existing proteins or peptides. Methylation on lysine residues is one example of post-translational modification and is performed by a variety of protein methyltransferases in the cell. C/EBPs are extensively modified by methylation of lysine side chains and this regulated methylation profoundly affects the activity of C/EBPs (1). The Methylated Lysine Antibody conjugated to HRP detects methylation on lysine residues in proteins and peptides.

References

1. Leutz, R. et al: Crosstalk between phosphorylation and multi-site arginine/lysine methylation in C/EBPs. *Transcr.* 2011 Jan;2(1):3-8.

Sample Data



Representative western blot of the tri-methylated protein profile with Anti-Methylated Lysine (Tri-ε-N-methyl), HRP Conjugated (1:1000) using human melanoma cells (MMRU) lysate (A) and MMRU lysate plus additional N-ε-tri-methyl lysine peptide inhibitor (50 ng/µl) (B).

Anti-Methylated Lysine (Tri-ε-N-methyl), HRP Conjugated

Rabbit Polyclonal Antibody

Catalog Number	L95-67DR
Specific Lot Number	E372-9
Purification	By affinity chromatography on a tri-methyl lysine agarose column
Concentration	0.25 µg/µl
Stability	1yr at -20°C from date of shipment
Storage & Shipping	Store product at -20°C. For optimal storage, aliquot antibody into smaller quantities after centrifugation and store at recommended temperature. For optimal performance, avoid repeated handling and multiple freeze/thaw cycles. Product shipped on ice packs.

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