SignalChem
Specialists in Signaling Proteins
1-866-9 KINASE (54-6273)

Catalogue #	Aliquot Size
L95-67CR-100	100 µg

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

Catalog # L95-67CR
Lot # E372-8

Cited Applications
For direct immunofluorescence assay

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
Fluorescein 5; the FITC : antibody molar ratio was 20:1.

Formulation
PBS, 50% glycerol, pH 7.

Stability
Store at 4^0C (add 0.1% NaN_3) for several months, and at -20^0C 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.

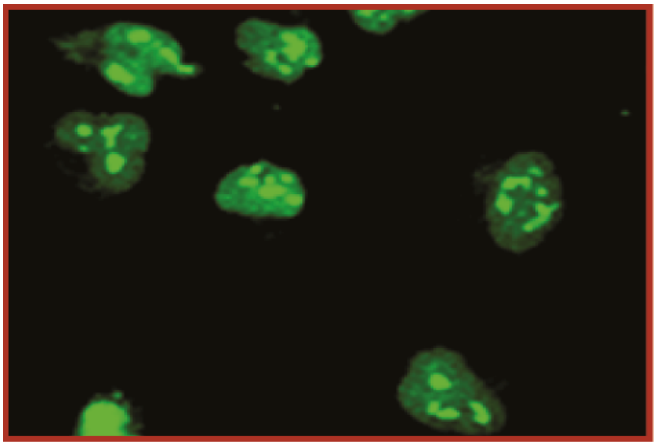
Scientific Background

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 methyl transferases 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 FITC 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 immunofluorescent stain with Anti-Methylated Lysine (Tri-ε-N-methyl), FITC Conjugated (1:1000) using the paraformaldehyde fixed human melanoma cells (MMRU).

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

Rabbit Polyclonal Antibody

Catalog Number	L95-67CR
Specific Lot Number	E372-8
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.

To place your order, please contact us by phone 1-(604)-232-4600, fax 1-604-232-4601 or by email: orders@signalchem.com
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