Methylated Lysine polyclonal antibody

Acetylation and methylation of lysine are important post-translational modifications that regulate numerous protein-protein and protein-DNA interactions. Lysine acetylation and methylation involves the transfer of acetylCoA, or one or more methyl groups, to the e-amino group of lysine by modifying enzymes and cofactors. Histones and transcription factors are the primary targets of lysine acetylation and methylation, with either modification capable of inducing gene silencing or expression due to differential regulation of cofactors. For example, varying degrees of mono-, di-, and tri-methylation or acetylation of histone H3 at lysine residue 9 are known to demark distinct chromatin regions during various states of gene activation (methylation) or repression (acetylation).

This antibody is covered by our Worry-Free Guarantee.

Citations: 4 View Online »

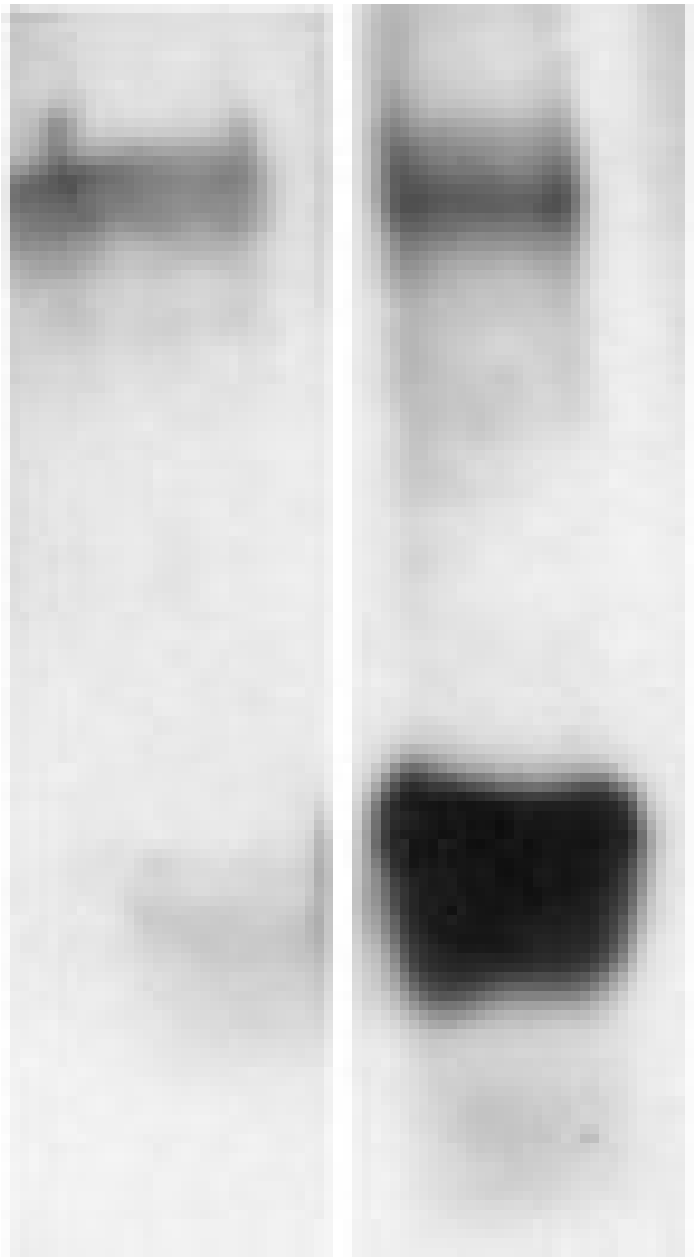
Ordering Information

Order Online »

ADI-KAP-TF121-E	100µg

Manuals, SDS & CofA

View Online »



Western blot analysis of melanoma cells with Methylated Lysine pAb. Histones were isolated with cold 0.1N HCl extraction, then probed with 0.5µg/ml of Methylated Lysine pAb in TBSt and blocked with synthetic methylated BSA 100µg/ml (left). And 0.5µg/ml of Methylated Lysine pAb in TBSt (right).

Handling & Storage

Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status RUO - Research Use Only

Product Details

Application	ELISA, IHC, WB
Formulation	Liquid. In PBS containing 50% glycerol.
Host	Rabbit
Immunogen	Methylated KLH.
Purity Detail	Immunoaffinity purified.
Recommendation Dilutions/Conditions	Western Blot (0.25-1.0µg/ml)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Species Reactivity	Species independent
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

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