DATASHEET

Methyl-Lysine Rabbit Polyclonal Antibody

CAT. NO. APA12473

KEY FEATURES

Target	Methyl-Lysine	Source / Host	Rabbit
Reactivity		Clonality	Polyclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Lysine methylation is a reversible post-translational modification catalyzed by lysine methyltransferases (KMTs) and removed by demethylases (KDMs). Mono-, di-, and tri-methylation of lysine residues on histones and non-histone proteins regulates chromatin structure, gene expression, and signaling. Pan-methyl-lysine antibodies enable broad detection in WB, IP, IHC, and ChIP.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:1000 - 1:2000
IHC	1:100 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to Pan Methyl-Lysine
Specificity	Recognizes endogenous levels of Pan Methyl-Lysine protein.
Antibody Type	Primary antibody
Immunogen	Recombinant protein corresponding to Pan Methyl-Lysine.
Purification	The antibody was purified by immunogen affinity chromatography.
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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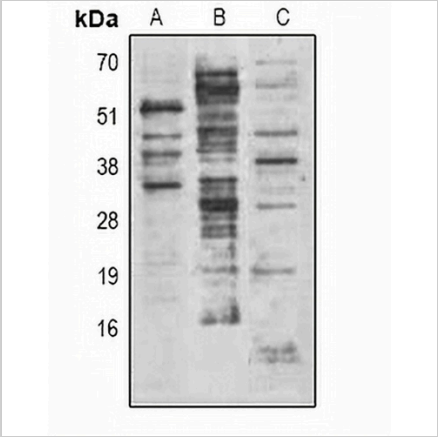
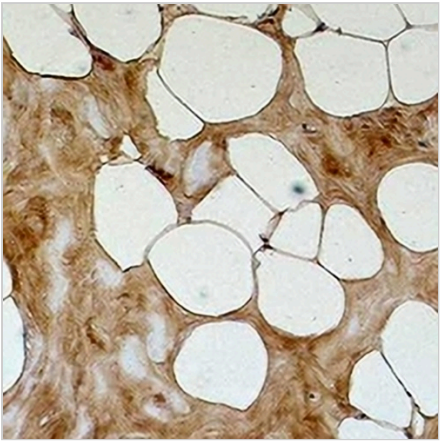
DATA



Western blot analysis of Methyl-Lysine expression in Hela (A), NIH3T3 (B), rat brain (C) whole cell lysates.



Immunohistochemical analysis of Methyl-Lysine staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.