DATASHEET

pan methyl-lysine Rabbit Polyclonal Antibody

CAT. NO. APA14483

KEY FEATURES

Target	pan methyl-lysine	Source / Host	Rabbit
Reactivity	All	Clonality	Polyclonal
Applications	WB, IF/ICC, IP	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

Pan methyl-lysine antibodies recognize mono-, di-, and tri-methylated lysine residues regardless of sequence context. Lysine methylation is catalyzed by lysine methyltransferases and removed by demethylases, regulating chromatin structure, transcription, and non-histone protein function. These antibodies are widely used 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	1:500 - 1:2000
IF/ICC	1:50 - 1:200
IP	1:20 - 1:50

*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 methyl-lysine protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide of methyl-lysine
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: \; Observed: 15-60 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	Pan methyl-lysine

*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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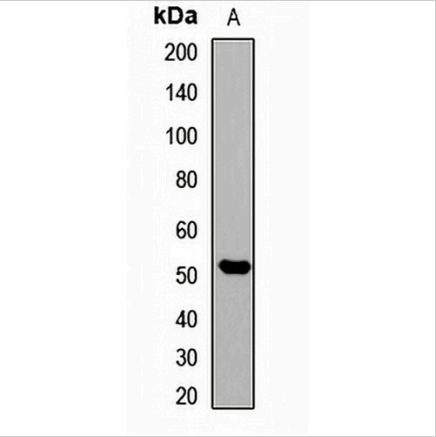
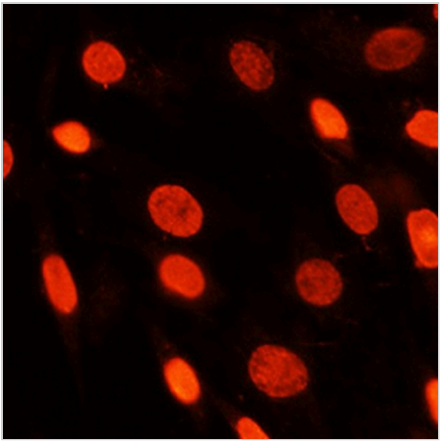
DATA



Western blot analysis of pan methyl-lysine expression in Hela (A) whole cell lysates. (Predicted band size: \; Observed band size: 15-60 kD)



Immunofluorescent analysis of pan methyl-lysine staining in C6 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AREX® Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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.