

Methylated Lysine Antibody

Subcategory: HRP-conjugated Antibody, Modification Specific Antibody, Rabbit Polyclonal Antibody

Cat. No.: 251121

Unit: 0.1 mg

Description:

Lysine methylation is a conserved post-translational modification and is an important biochemical process for many protein-protein interactions. It is found in many proteins, such as calmodulin, cytochrome C, chromosomal proteins, histones, non-histones, as well as neural storage body proteins. Lysine methylation plays a role in gene silencing. The antibody can be used for detection, quantitation, and isolation of proteins with methylated lysine residues.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: H, M, R

Format: Each vial contains 0.1 mg IgG in 0.4 ml (0.25 mg/ml) in stabilizing buffer. Antibody was immunoaffinity purified with methyl and dimethyl lysine on agarose.

Alternate Names: Methylated lysine; MeK; Methyllysine; MeLys; Methyl-lysine

Antigen: Methylated KLH-conjugates.

Application Notes: Cat. No. 251121 recognizes proteins and peptides methylated on lysine residues (mono and dimethyllysine). The cross-reactivity with tri-methyl-lysine has not been tested. There is no reaction with acetylated proteins. E: 1:500-1:2,000; WB: 1:200-1:1000; IHC: 1:100-1:500



The Methylated Lysine Antibody (Cat. No. 251121) is used in Western blot to detect methylated proteins in HeLa cell lysates (lane A). Control with pre-incubation with methylated BSA at 50 ug/ml (lane B) and 10 ug/ml (lane C).

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed 6 months from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.