abcam

Product datasheet

Anti-Methylated Lysine (di methyl , mono methyl) antibody ab23366

8 Abreviews 45 References 3 Images

Overview

Product name	Anti-Methylated Lysine (di methyl , mono methyl) antibody
Description	Rabbit polyclonal to Methylated Lysine (di methyl , mono methyl)
Host species	Rabbit
Specificity	Recognize proteins methylated on lysine residues (mono- & di-methyl lysine). This antibody was affinity purified with mono-methyl lysine and di-methyl lysine, and may also react with tri-methyl lysine. Does not cross-react with acetylated protein.
Tested applications	**Suitable for:** IHC-P, WB, ELISA
Species reactivity	**Reacts with:** Species independent
Immunogen	Methylated Lysine conjugated to KLH.
Positive control	HCL (0.1N) extracted and acetone precipited histone fraction
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 6.00 Constituents: PBS, 50% Glycerol
Purity	Immunogen affinity purified
Purification notes	Affinity purified using N-methyl (epsilon amino group)lysine on Agarose as affinity matrix.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab23366 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

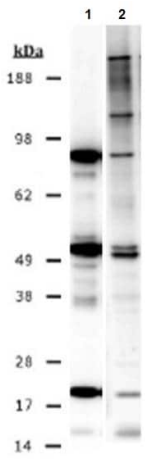
Application	Abreviews	Notes
IHC-P	★★★★☆ (3)	Use at an assay dependent concentration.
WB	★★★★☆ (2)	Use a concentration of 0.5 - 1 µg/ml. Do not use milk for any of the buffers as complex milk proteins may contain competitive methylated proteins. Use BSA instead. ab23366 incubation time 2h RT. If no or weak signal is obtained overnight at 4deg might help.
ELISA		Use at an assay dependent concentration.

Target

Relevance

Many proteins are post translationally modified. Modifications such as phosphorylation, glycosylation, ubiquitination and methylation have been shown to play an important role in the development, physiology and disease of animals and plants. Histone lysine methylation is regarded as a very stable modification with important functions in epigenetic gene control and for organizing chromatin domains.

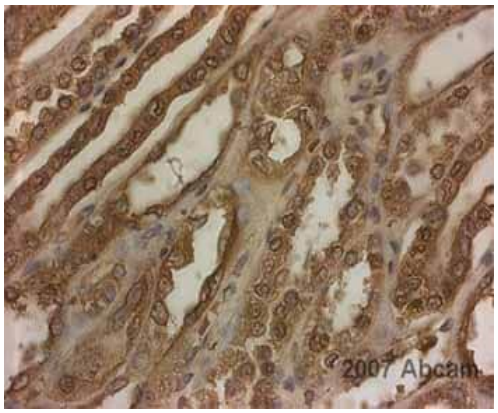
Images



Western blot - Anti-Methylated Lysine (di methyl , mono methyl) antibody (ab23366)

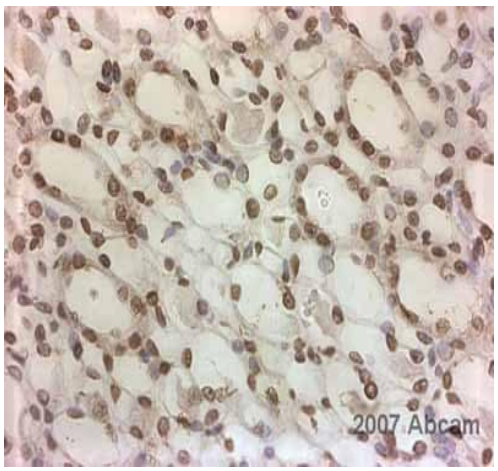
Lane 1 : Anti-Methylated Lysine (tri methyl) antibody (does not cross react with mono, or di methyl lysine residues)
Lane 2 : Anti-Methylated Lysine (di methyl , mono methyl) antibody (ab23366)

All lanes : Yeast extract



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Methylated Lysine (di methyl , mono methyl) antibody (ab23366)
This image is courtesy of an anonymous Abreview

ab23366 at 1/200 staining human kidney tissue sections by IHC-P. The tissue was formaldehyde fixed a heat mediated antigen retrieval step was performed in citrate buffer. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Methylated Lysine (di methyl , mono methyl) antibody (ab23366)
This image is courtesy of an anonymous Abreview

ab23366 staining formalin fixed paraffin-embedded rat kidney tissue sections. The section was subjected to heat mediated antigen retrieval in citrate buffer (pH 6.0) and blocked with 5% serum for 30 minutes at 20°C, prior to incubation with the primary antibody (diluted 1/200 in PBS + 5% serum) for 45 mintes at 20°C. An HRP-conjugated goat anti-rabbit antibody was used as the secondary.

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