

Anti-Histone H3, K27M mutant Polyclonal Antibody



Cat. # **ABE419**

Pack Size: **100 µg**

Lot # **2738997**

Concentration: **1 mg/mL**

Storage: **2-8°C**

FOR RESEARCH USE ONLY
NOT FOR USE IN DIAGNOSTIC PROCEDURES
NOT FOR HUMAN OR ANIMAL CONSUMPTION

Certificate of Analysis

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Applications	Species Cross-Reactivity	Antibody Isotype	Epitope/Region	Host Species	Molecular Weight	Accession #
WB, ChIP, IHC	H, M	N/A	Surrounding K27M mutation	Rb	~17 kDa	NP_002098

Immunogen KLH-conjugated linear peptide corresponding to sequence near N-terminus of human Histone H3 with K27M mutation.

Specificity This antibody recognizes N-terminus Histone H3 with K27M mutation.

Species Cross-reactivity Demonstrated to react with Human (H) and Mouse (M).

Molecular Weight ~17 kDa observed

Method of Purification Immunogen affinity purified.

Presentation Purified rabbit (Rb) polyclonal in buffer containing 0.1 M Tris-Glycine (pH 7.4), 150 mM NaCl with 0.05% sodium azide.

Storage and Handling Stable for 1 year at 2-8°C from date of receipt.

Quality Control Testing Western Blotting Analysis (WB): 0.2 µg/mL of this antibody detected FLAG-HA-tagged K27M mutant, but not wildtype histone H3 from lysates of respective MEF transfectants.

Additional Applications Western Blotting Analysis: A representative lot detected Histone H3, K27M mutant in diffuse intrinsic pontine Glioma tissue lysates expressing histone H3 K27M mutant (1).

Chromatin Immunoprecipitation Analysis (ChIP): A representative lot co-precipitated chromatin fragments containing the promoter regions of ACTA and CCT8 genes from HEK293T transfectants expressing FLAG-HA-tagged histone H3 with K27M mutation.

For sample data please visit – www.emdmillipore.com

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References

Product Reference(s):

1. Lewis, P. W., *et al.* (2013). *Science*. 340 (6134): 857-861.
2. Schwartzenuber, J., *et al.* (2012). *Nature*. 482 (7384):226-231.

Please visit www.emdmillipore.com for additional product information, test data and references

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Technical Support: T: 1-800-MILLIPORE (1-800-645-5476) • F: 1-800-437-7502

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