

Product Id TM-1501Z-55
Product Name Anti-human Tri-Methyl K20 Histone H4 (TRI-Methylated H4 K20) IgG fraction(monoclonal)

Temperature -20°C

Unit 150µg

Availability Available

Category Proteins and Antibodies for Transcription Research

Subcategory Proteins and Antibodies

Description IgG fraction from mouse monoclonal antibody (clone 2F1/H7) obtained by immunization of mice with a KLH-conjugated synthetic peptide RHR[trimethyl-K]VLRDNIQG-C corresponding to aa17 – aa28 of human histone H4. The IgG fraction was purified using Protein G-Sepharose.

Isotype IgG1

Purity N/A

Storage Store at -20°C.

Stability Stable for at least one year. Avoid repeated freezing and thawing

Biological Activity This antibody can be used in ELISA assays (1: 1,000 dilution). It recognizes trimethylated H4 K20. The methylation of specific histone lysines controls the transcriptional regulation, in addition to the propagation of bulk chromosome structure and stability. Methylated histone H4 K20 is also involved in transcriptional silencing of human polycomb target genes and an important component of a repressive pathway that can index pericentric heterochromatin.

Formulation Solution at 0.5 mg/mL in PBS

References Hampsey, M & Reinberg, D. (2003) Cell 113, 429; Schotta, G. et. al. (2004) Genes & Dev. 18, 1251 – 1262; Sims, R. J. et. al. (2003) Trends Genet. 19, 629 – 639.



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