DATA SHEET

Anti-Trimethyl Histone H3-K27
Cat. No. A-4039

Background	Histone H3 along with H2A, H2B and H4 is involved in the structure of chromatin in eukaryotic cells. Histone H3 can undergo several different types of epigenetic modifications that influence cellular processes. These modifications, including acetylation, phosphorylation, methylation, ubiquitination, and ADP-ribosylation, occurs on the N-terminal tail domains of histone H3, which results in remodeling of the nucleosome structure into an open conformation more accessible to transcription complexes. In most species, histone H3 is primarily methylated at lysine 4, 9, 27, 36 and 79.
Concentration	1 mg/ml
Description	Rabbit polyclonal antibody raised against a synthetic peptide corresponding to the trimethylated histone H3 at K27.
Specificity	Detects histone H3 only when trimethylated at K27 in mouse, rat, and human. Broad species to cross-reactivity is also expected.
Isotype	IgG
Formulation	PBS (pH 7.5), 150 mM NaCl, 30% glycerol
Storage	-20°C, stable for 1 year from the date of shipment.
Application	Western blot: 1:1000-1:2000 Immunofluorescence: 1:100-1:500 Immunohistonechemistry: 1:100-1:500 ELISA: 1:1000-1:2000 Immunoprecipitation/ChIP: 2µg/10^6 cells
Research use	Research use only.

Products	**Size**	**Cat. No.**
Anti-trimethyl histone H3-K27	25 µl	A-4039-025
	50 µl	A-4039-050

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