

## **Anti-Trimethyl Histone H4-K20**

**Cat. No. A-4048**

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<b>Background</b>	Histone H4 along with H2A, H2B and H3 is involved in the structure of chromatin in eukaryotic cells. Histone H4 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 H4, which results in remodeling of the nucleosome structure into an open conformation more accessible to transcription complexes. In most species, histone H4 is primarily methylated at lysine 20
<b>Concentration</b>	1 mg/ml
<b>Description</b>	Rabbit polyclonal antibody raised against a synthetic peptide corresponding to the trimethylated histone H4 at K20.
<b>Specificity</b>	Detects histone H4 only when trimethylated at K20 in mouse, rat, and human. Broad species to cross-reactivity is also expected.
<b>Isotype</b>	IgG
<b>Formulation</b>	PBS (pH 7.5), 150 mM NaCl, 30% glycerol
<b>Storage</b>	-20°C, stable for 1 year from the date of shipment.
<b>Application</b>	Western blot: 1:1000-1:2000 Immunofluorescence: 1:100-1:500 Immunohistochemistry: 1:100-1:500 ELISA: 1:1000-1:2000 Immunoprecipitation/ChIP: 2µg/10 <sup>6</sup> cells
<b>Research use</b>	Research use only.

<b>Products</b>	<b>Size</b>	<b>Cat. No.</b>
Anti-trimethyl histone H4-K20	25 µl	A-4048-025
	50 µl	A-4048-050