

## MonoMethyl-Histone H2B-K5 pAb

Catalog No: #30077

Package Size: #30077-1 50ul #30077-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

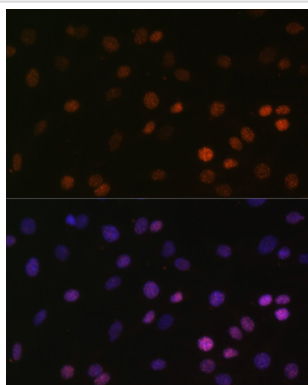
## Description

Product Name	MonoMethyl-Histone H2B-K5 pAb
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of Human H2BK5me1.
Other Names	GL105, H2B, H2B.1, H2BFQ, H2BGL105, H2BQ
Accession No.	Swiss-Prot#:Q16778NCBI Gene ID:8349
Uniprot	Q16778
GeneID	8349;
Calculated MW	Refer to figures
Formulation	Avoid freeze / thaw cycles. Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

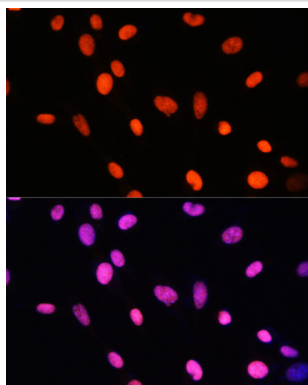
## Application Details

WB□1:500 - 1:2000IF□1:50 - 1:200

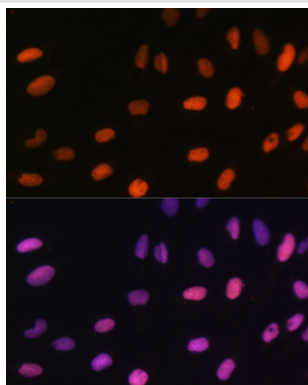
## Images



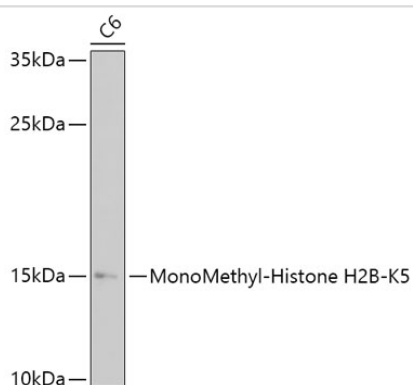
Immunofluorescence analysis of C6 cells using MonoMethyl-Histone H2B-K5 at dilution of 1:100. Blue: DAPI for nuclear staining.



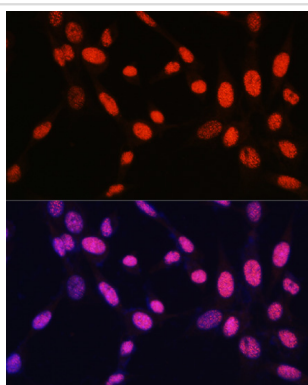
Immunofluorescence analysis of NIH-3T3 cells using MonoMethyl-Histone H2B-K5 at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using MonoMethyl-Histone H2B-K5 at dilution of 1:100. Blue: DAPI for nuclear staining.



Western blot analysis of extracts of C6 cells, using MonoMethyl-Histone H2B-K5 at 1:500 dilution.



Immunofluorescence analysis of NIH-3T3 cells using MonoMethyl-Histone H2B-K5 at dilution of 1:100. Blue: DAPI for nuclear staining.

## Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene encodes a replication-dependent histone that is a member of the histone H2B family, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif. The protein has antibacterial and antifungal antimicrobial activity. [provided by RefSeq, Aug 2015]

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Note: This product is for in vitro research use only