

TriMethyl-Histone H3-K56 pAb

Catalog No: #30873



Package Size: #30873-1 50ul #30873-2 100ul

Orders: order@signalwayantibody.com  
Support: tech@signalwayantibody.com

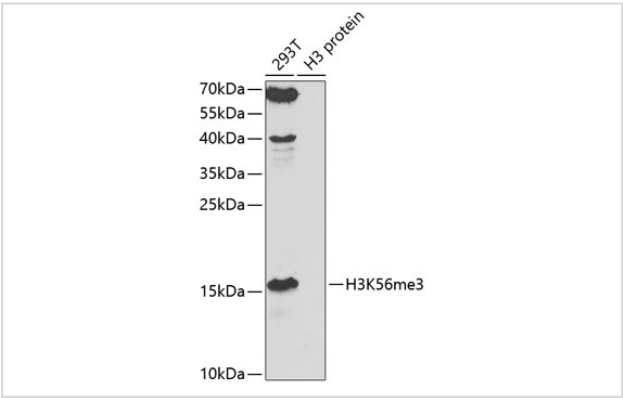
Description

Product Name	TriMethyl-Histone H3-K56 pAb
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human TriMethyl-Histone H3-K56
Other Names	HIST3H3; H3.4; H3/g; H3FT; H3t; histone H3.1t
Accession No.	Swiss-Prot#:Q16695NCBI Gene ID:8290
Uniprot	Q16695
GeneID	8290;
Calculated MW	16kDa
Formulation	Avoid freeze / thaw cycles. Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

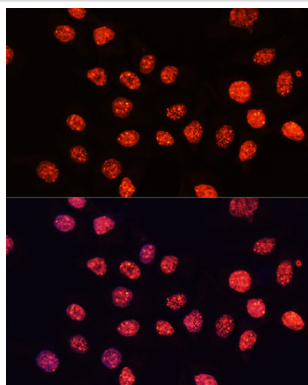
Application Details

WB 1:500 - 1:2000IHC 1:50 - 1:200IF 1:50 - 1:200IP 1:50 - 1:200ChIP 1:20 - 1:100ChIPseq 1:20 - 1:100

Images



Western blot analysis of extracts of various cell lines, using TriMethyl-Histone H3-K56 at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 90s.



Immunofluorescence analysis of HeLa cells using TriMethyl-Histone H3-K56 pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

## Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3.

Note: This product is for in vitro research use only