Product Datasheet

TriMethyl-Histone H3-K56 pAb

Catalog No: #30873

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

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

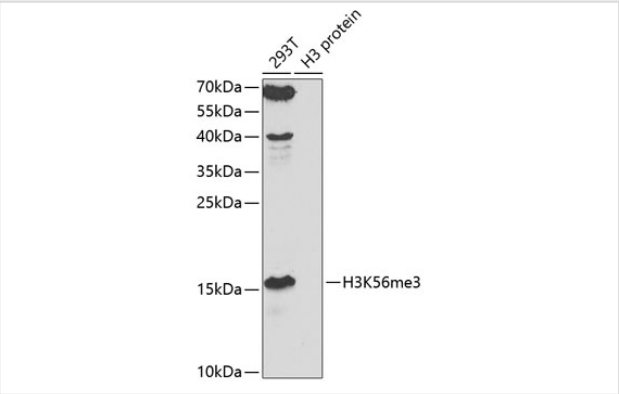
Description

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

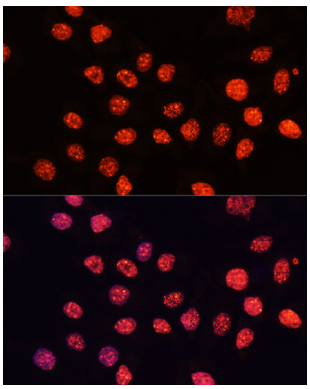
Application Details

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