Product Datasheet

Histone H3 Rabbit mAb

Catalog No: #52334

Package Size: #52334-1 50ul #52334-2 100ul

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

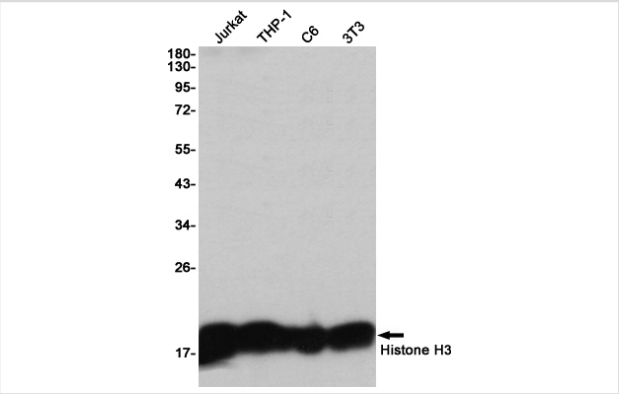
Description

Product Name	Histone H3 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S06-4I8
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IHC
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human Histone H3
Conjugates	Unconjugated
Modification	Unmodification
Other Names	H3/A; H3FA
Accession No.	Swiss-Prot:P68431GeneID:8350
Uniprot	P68431
GeneID	8350
Calculated MW	Calculated MW: 15 kDa; Observed MW: 17 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

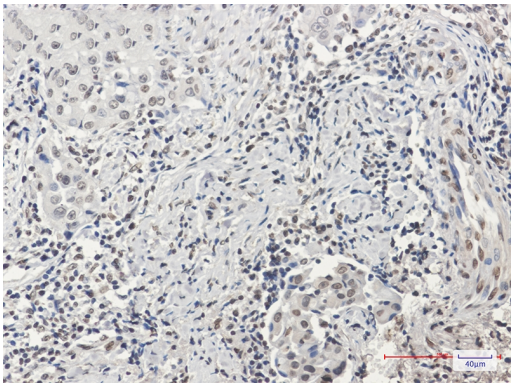
Application Details

WB: 1/1000; IHC: 1/50;

Images



Western blot detection of Histone H3 in Jurkat,THP-1,C6,3T3 cell lysates using Histone H3 Rabbit mAb(1:1000 diluted).Predicted band size:15KDa.Observed band size:17KDa.



Immunohistochemistry of Histone H3 in paraffin-embedded Human lung cancer tissue using Histone H3 Rabbit mAb at dilution 1/50

Background

Swiss-Prot Acc.P68431.Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.MiscellaneousThis histone is only present in mammals and is enriched in acetylation of Lys-15 and dimethylation of Lys-10 (H3K9me2).CautionThe original paper reporting lysine deamination at Lys-5 by LOXL2 has been retracted due to inappropriate manipulation of figure data (PubMed:22483618, PubMed:27392148). However, this modification was confirmed in a subsequent publication (PubMed:27735137).

Note: This product is for in vitro research use only