

Histone H3.3 Rabbit mAb

Catalog No: #52335

Package Size: #52335-1 50ul #52335-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

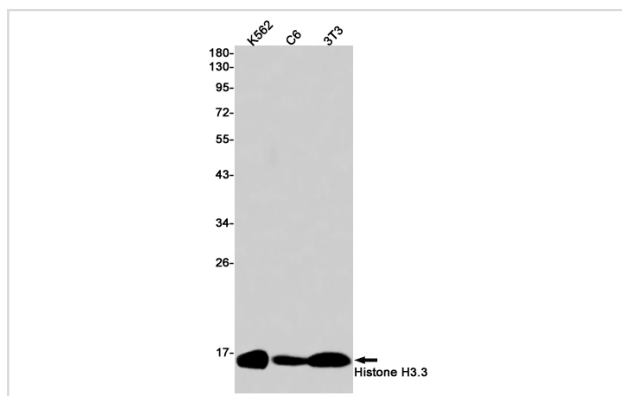
Description

Product Name	Histone H3.3 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S04-5J3
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IHC
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human Histone H3.3
Conjugates	Unconjugated
Modification	Unmodification
Other Names	H3F3; H3.3A
Accession No.	Swiss-Prot:P84243GenelD:3020
Uniprot	P84243
GenelD	3020
Calculated MW	Calculated MW: 15 kDa; Observed MW: 15 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.

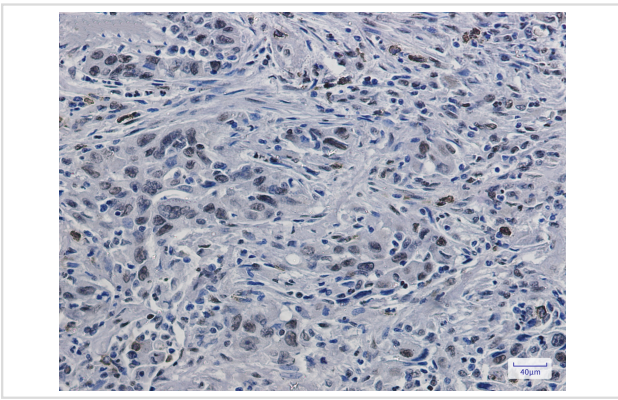
Application Details

WB: 1/1000; IHC: 1/200

Images



Western blot detection of Histone H3.3 in K562,C6,3T3 cell lysates using Histone H3.3 Rabbit mAb(1:1000 diluted).Predicted band size:15kDa.Observed band size:15kDa.



Immunohistochemistry of Histone H3.3 in paraffin-embedded Human lung cancer tissue using Histone H3.3 Rabbit mAb at dilution 1/50

Background

Swiss-Prot Acc.P84243. Variant histone H3 which replaces conventional H3 in a wide range of nucleosomes in active genes. Constitutes the predominant form of histone H3 in non-dividing cells and is incorporated into chromatin independently of DNA synthesis. Deposited at sites of nucleosomal displacement throughout transcribed genes, suggesting that it represents an epigenetic imprint of transcriptionally active chromatin. 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.

Note: This product is for in vitro research use only