

# Histone H3 Rabbit Polyclonal Antibody

Catalog No: #55077



Package Size: #55077-1 50ul #55077-2 100ul

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

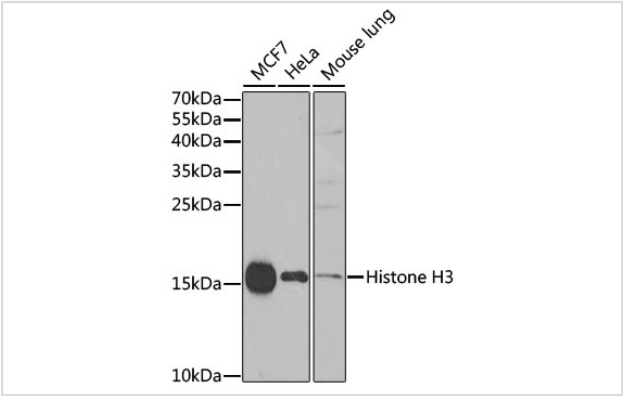
## Description

Product Name	Histone H3 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human HIST1H3D (NP_003520.1).
Other Names	HIST1H3D;H3/b;H3FB;histone H3.1;Histone H3;HIST1H3A
Accession No.	Uniprot:P68431GenelD:8351
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GenelD	8351
Calculated MW	15kDa
SDS-PAGE MW	15kDa
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

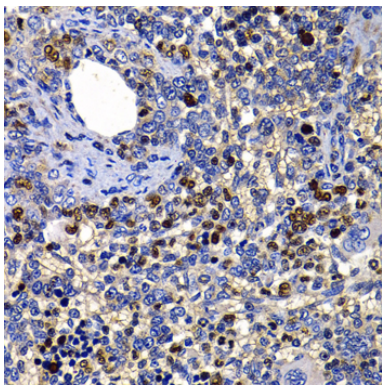
## Application Details

WB 1:500 - 1:2000IHC 1:50 - 1:200

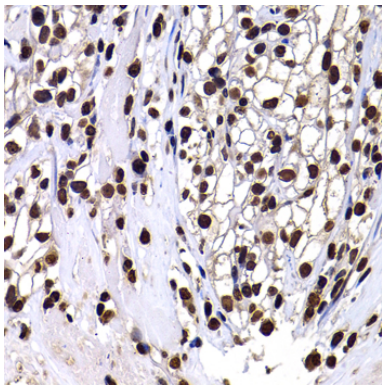
## Images



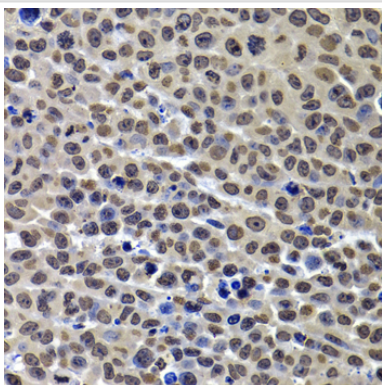
Western blot analysis of extracts of various cell lines, using HIST1H3D antibody.



Immunohistochemistry of paraffin-embedded rat spleen using Histone H3 antibody.



Immunohistochemistry of paraffin-embedded human kidney cancer using Histone H3 antibody.



Immunohistochemistry of paraffin-embedded mouse cancer using Histone H3 antibody.

## 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 is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6.

Note: This product is for in vitro research use only