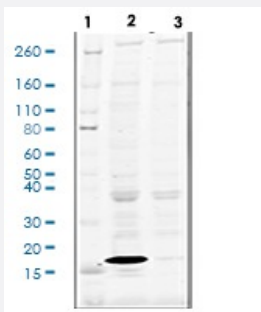


RecomAb™

H3-4 recombinant monoclonal antibody, clone HisH3S28-D6

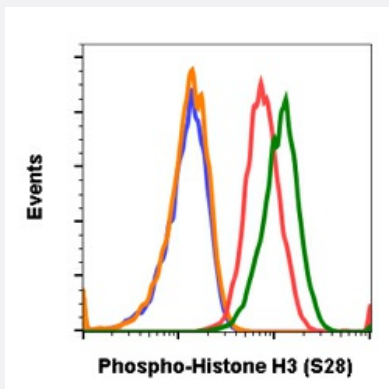
Catalog # RAB02787 Size 200 uL

Applications



Western Blot

Western blot analysis of Hela cell extract untreated or synchronized in metaphase by treatment with 0.4 ug/mL of nocodazole for 6 hr then metaphase cells were isolated by mitotic shake-off using Phospho-Histone H3 (Ser28) antibody at 1 ng/mL HisH3S28-D6.



Flow Cytometry

Flow cytometric analysis of NIH3T3 cells secondary antibody only negative control (blue) or 0.1 ug/mL of isotype control (orange) or untreated (red) or treated with UV and PMA (green) using Phospho-Histone H3 (Ser28) antibody HisH3S28-D6 at 0.1 ug/mL.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human H3-4.
Antibody Species	Rabbit
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Ser28 of human phospho Histone H3
Reactivity	Human
Form	Liquid

Purification	Protein A+G
Isotype	Rabbit IgG1k
Recommend Usage	Flow Cytometry Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	1X PBS, 0.02% Sodium azide, 50% Glycerol, 0.1% BSA
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of HeLa cell extract untreated or synchronized in metaphase by treatment with 0.4 ug/mL of nocodazole for 6 hr then metaphase cells were isolated by mitotic shake-off using Phospho-Histone H3 (Ser28) antibody at 1 ng/mL HisH3S28-D6.

- Flow Cytometry

Flow cytometric analysis of NIH3T3 cells secondary antibody only negative control (blue) or 0.1 ug/mL of isotype control (orange) or untreated (red) or treated with UV and PMA (green) using Phospho-Histone H3 (Ser28) antibody HisH3S28-D6 at 0.1 ug/mL.

Gene Info — HIST3H3

Entrez GeneID	8290
Protein Accession#	Q16695
Gene Name	HIST3H3
Gene Alias	H3.4, H3/g, H3FT, H3t, MGC126886, MGC126888
Gene Description	histone cluster 3, H3
Omim ID	602820
Gene Ontology	Hyperlink

Gene Summary

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 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. [provided by RefSeq]

Other Designations

H3 histone family, member T|OTTHUMP00000037945|histone 3, H3

Pathway

- [Systemic lupus erythematosus](#)