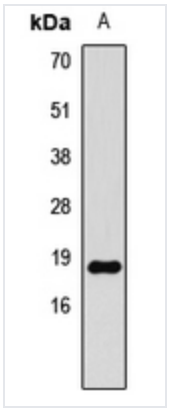
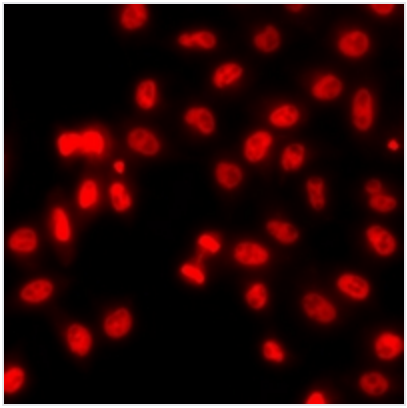
Histone H3 (H3) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Histone H3, Polyclonal Antibody
Full Product Name	Rabbit anti-Histone H3 (Symmetric DiMethyl R8) Antibody
Product Gene Name	anti-H3 antibody
Product Synonym Names	H3FT; Histone H3.1t; H3/t; H3t; H3/g
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Concentration	1mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze/thaw cycles.
Molecular Weight	136
Chromosome Location	Chromosome: 1; NC_000001.10 (228612546..228613026, complement). Location: 1q42
OMIM	602820
3D Structure	ModBase 3D Structure for Q16695
Immunogen	A synthetic methylated peptide corresponding to residues surrounding R8 of human Histone H3 (Symmetric DiMethyl R8)
Product Categories/Family for anti-H3 antibody	Primary antibodies
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-H3 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunochemistry (IC), Immunoprecipitation (IP)
Application Notes for anti-H3 antibody	WB: 1:500-1:2000 IHC: 1:50-1:200 IF:IC: 1:50-1:200 IP: 1:50-1:100
Related Product Information for anti-H3 antibody	MBS4511398 is an antibody targeting H3. Also known as Rabbit anti-Histone H3 (Symmetric DiMethyl R8) Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-H3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-H3 antibody
Western blot analysis of Histone H3 (Symmetric DiMethyl R8) expression in Hela (A) whole cell lysates.



Immunofluorescence (IF) of anti-H3 antibody
Immunofluorescent analysis of Histone H3 (Symmetric DiMethyl R8) staining in HEK293T cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for H3. It may not necessarily be applicable to this product.

NCBI GI #	4504299
NCBI GeneID	8290
NCBI Accession #	NP_003484.1
UniProt Primary Accession #	Q16695
UniProt Secondary Accession #	Q6FGU4; B2R5K3
UniProt Related Accession #	Q16695
GenBank Nucleotide #	NM_003493.2
NCBI Official Full Name	histone H3.1t
NCBI Official Synonym Full Names	histone cluster 3, H3
NCBI Official Symbol	HIST3H3
NCBI Official Synonym Symbols	H3t; H3.4; H3/g; H3FT
UniProt Protein Name	Histone H3.1t
UniProt Synonym Protein Names	H3/g
Protein Family	Tyrosine phosphatase
UniProt Gene Name	HIST3H3
UniProt Synonym Gene Names	H3FT; H3/t; H3t
UniProt Entry Name	H31T_HUMAN
NCBI Protein Information	histone H3.1t; H3/t; histone 3, H3; H3 histone family, member T
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

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