

ARG54785 anti-Histone H3 dimethyl (Arg17) (asymmetric) antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Histone H3 dimethyl (Arg17) (asymmetric)
Tested Reactivity	Hu, Ms, Rat
Tested Application	Dot, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Histone H3
Species	Human
Immunogen	Synthetic methylated peptide around Arg17 of Human histone H3 (NP_003526.1)
Conjugation	Un-conjugated
Alternate Names	Histone H3/f; Histone H3.1; Histone H3/d; Histone H3/b; Histone H3/c; Histone H3/a; Histone H3/l; Histone H3/j; Histone H3/k; Histone H3/h; H3/A; H3FA; Histone H3/i

Application Instructions

Application table	Application	Dilution
	Dot	Assay-dependent
	ICC/IF	1:50 - 1:200
	IHC-P	Assay-dependent
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

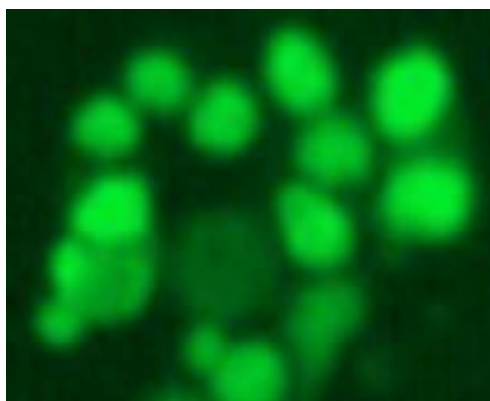
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

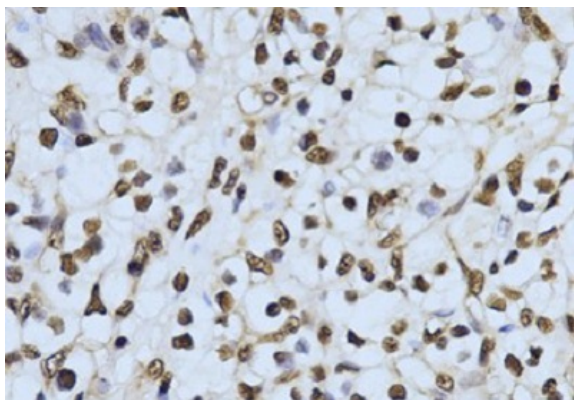
Database links	GeneID: 8356 Human Swiss-port # P68431 Human
Gene Symbol	HIST1H3J
Gene Full Name	histone cluster 1, H3j
Background	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (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 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 small histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq, Jul 2008]
Function	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. [UniProt]
Highlight	Related Antibody Duos and Panels: ARG30246 CARM1 mediated histone arginine methylation Antibody Duo (H3R17me2a, H3R26me2a) Related products: Histone H3 antibodies: Histone H3 Duos / Panels: Anti-Rabbit IgG secondary antibodies:
Research Area	Gene Regulation antibody
Calculated Mw	15 kDa

Images



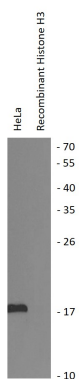
ARG54785 anti-Histone H3 dimethyl (Arg17) (asymmetric) antibody
ICC/IF image

Immunofluorescence: 293T cells stained with ARG54785 anti-Histone H3 dimethyl (Arg17) (asymmetric) antibody.



ARG54785 anti-Histone H3 dimethyl (Arg17) (asymmetric) antibody
IHC-P image

Immunohistochemistry: Paraffin-embedded Human kidney cancer tissue stained with ARG54785 anti-Histone H3 dimethyl (Arg17) (asymmetric) antibody at 1:200 dilution.



ARG54785 anti-Histone H3 dimethyl (Arg17) (asymmetric) antibody
WB image

Western blot: HeLa cell lysate and Recombinant Histone H3 protein expressed in *E. coli* (negative control) stained with ARG54785 anti-Histone H3 dimethyl (Arg17) (asymmetric) antibody.