ARG54775
anti-Histone H4 dimethyl (Lys20) antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Histone H4 dimethyl (Lys20)
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Histone H4
Species	Human
Immunogen	Synthetic methylated peptide around Lys20 of Human histone H4 (NP_003539.1)
Conjugation	Un-conjugated
Alternate Names	H4/p; Histone H4

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
IHC-P	1:50 - 1:200
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.

Positive Control: HeLa

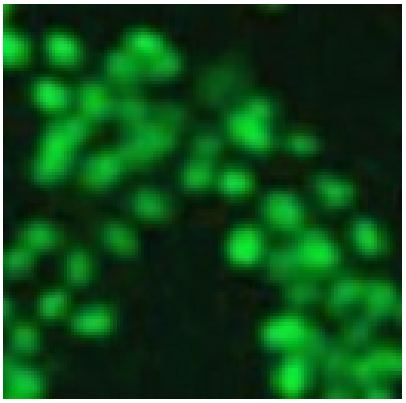
Properties

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

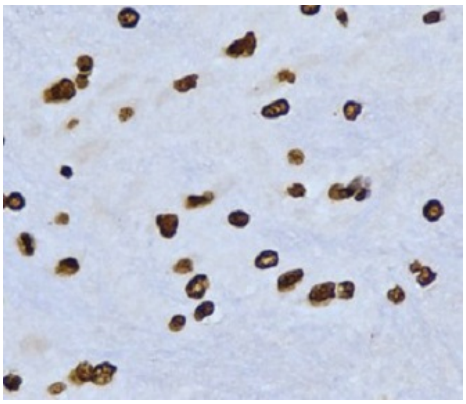
Database links	GeneID: 8370 Human Swiss-port # P62805 Human
Gene Symbol	HIST2H4A
Gene Full Name	histone cluster 2, H4a
Background	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an 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 H4 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the centromeric copy. [provided by RefSeq, Jul 2008]
Research Area	Gene Regulation antibody
Calculated Mw	11 kDa

Images



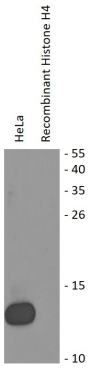
ARG54775 anti-Histone H4 dimethyl (Lys20) antibody ICC/IF image

Immunofluorescence: 293T cells stained with ARG54775 anti-Histone H4 dimethyl (Lys20) antibody.



ARG54775 anti-Histone H4 dimethyl (Lys20) antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat brain tissue stained with ARG54775 anti-Histone H4 dimethyl (Lys20) antibody at 1:200 dilution.



ARG54775 anti-Histone H4 dimethyl (Lys20) antibody WB image

Western blot: HeLa cell lysate and Recombinant Histone H4 protein expressed in E. coli (negative control) stained with ARG54775 anti-Histone H4 dimethyl (Lys20) antibody.