

HIST1H1A rabbit monoclonal antibody

Catalog # H00003024-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human HIST1H1A peptide using ARM Technology.
Immunogen	A synthetic peptide of human HIST1H1A is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human HIST1H1A peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — HIST1H1A

Entrez GeneID [3024](#)

GeneBank Accession# [HIST1H1A](#)

Gene Name HIST1H1A

Gene Alias H1.1, H1F1, HIST1, MGC126642, MGC138345

Gene Description histone cluster 1, H1a

Omim ID [142709](#)

Gene Ontology [Hyperlink](#)

Gene Summary

Histones are basic nuclear proteins responsible for nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form a nucleosome 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 H1 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. [provided by RefSeq]

Other Designations H1 histone family, member 1|OTTHUMP00000018038|histone 1, H1a