

HIST2H4A rabbit monoclonal antibody

Catalog # H00008370-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human HIST2H4A peptide using ARM Technology.
Immunogen	A synthetic peptide of human HIST2H4A 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 HIST2H4A 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 — HIST2H4A

Entrez GeneID [8370](#)

GeneBank Accession# [HIST2H4A](#)

Gene Name HIST2H4A

Gene Alias FO108, H4, H4/n, H4F2, H4FN, HIST2H4

Gene Description histone cluster 2, H4a

Omim ID [142750](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations H4 histone family, member N|H4 histone, family 2|OTTHUMP00000013906|OTTHUMP00000194862|OTTHUMP00000194863|histone 2, H4a|histone IV, family 2

Pathway

- [Systemic lupus erythematosus](#)