

Anti- Histone H4 Rabbit Monoclonal Antibody

Rabbit Monoclonal Antibody

Catalog # ABV11833

Product Information

Application	WB, ICC, E
Primary Accession	P62805
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	11367

Additional Information

Gene ID	121504;554313;8294;8359;8360;8361;8362;8363;8364;8365;8366;8367;8368;8370
Positive Control	WB: A375, HEK293, HeLa and SK-MEL-2 whole cell lysates; IHC: HepG2 cells
Application & Usage	Western Blot: 0.1 ug/ml – 0.5 ug/ml ICC: 1 μ g/ml - 2 μ g/ml ELISA: 0.2 ug/ml - 1 ug/ml Multiplex: 0.1 ug/ml – 0.5 ug/ml
Alias Symbol	HIST1H4A
Other Names	H4FB, HIST1H4B, HIST1H4F, H4FN, H4FH
Appearance	Colorless liquid
Formulation	In 50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Reconstitution & Storage	-20 °C
Background Descriptions	
Precautions	Anti- Histone H4 Rabbit Monoclonal Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	H4C1
Synonyms	H4/A, H4FA, HIST1H4A
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.

Cellular Location

Nucleus {ECO:0000250|UniProtKB:P62806}. Chromosome. Note=Localized to the nucleus when acetylated in step 11 spermatids.
{ECO:0000250|UniProtKB:P62806}

Background

The nucleosome is made up of four core histone proteins (H2A, H2B, H3 and H4) and is the primary building block of chromatin. The N-terminal tail of core histones undergoes different posttranscriptional modification including acetylation, phosphorylation and methylation. These modifications occur in response to cell signal stimuli and have a direct effect on gene expression.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.