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Anti- Histone H4 Rabbit Monoclonal Antibody

Rabbit Monoclonal Antibody
Catalog # ABV11833

Specification

Anti- Histone H4 Rabbit Monoclonal Antibody - Product Information

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

Anti- Histone H4 Rabbit Monoclonal Antibody - 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/mlICC: 1 µg/ml - 2 µg/mlELISA: 0.2 ug/ml - 1 ug/mlMultiplex: 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.

Anti- Histone H4 Rabbit Monoclonal Antibody - 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. Chromosome.

Anti- Histone H4 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti- Histone H4 Rabbit Monoclonal Antibody - Images

Anti- Histone H4 Rabbit Monoclonal Antibody - 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.