abcam

ab289969

Anti-Histone H3 (mutated K9M) antibody [EPR26429-113]

Recombinant | RabMAb | 20ul selling size

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR26429-113
Purification technique	Affinity purification Protein A
Concentration	0.516 - 0.57 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

ICC/IF

Not recommended

Species	Human, Synthetic peptide - Human, Transfected cell line - Human, Mouse, Rat
Dilution info	-
Notes	-

IP

Not recommended

Species	Human, Synthetic peptide - Human, Transfected cell line - Human, Mouse, Rat
Dilution info	-
Notes	-

ChIP

Not recommended

Species	Human, Synthetic peptide - Human, Transfected cell line - Human, Mouse, Rat
Dilution info	-
Notes	-

Dot

Tested

Species	Synthetic peptide - Human
Dilution info	1/1000
Notes	-

Predicted

Species	Human
Dilution info	-
Notes	-

Not recommended

Species	Transfected cell line - Human, Mouse, Rat
Dilution info	-
Notes	-

WB

Tested

Species	Transfected cell line - Human
Dilution info	1/1000
Notes	-

Predicted

Species	Human
Dilution info	-
Notes	-

Not recommended

Species	Synthetic peptide - Human, Mouse, Rat
Dilution info	-
Notes	-

IHC-P

Not recommended

Species	Mouse, Rat, Human, Synthetic peptide - Human, Transfected cell line - Human
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Transfected cell line - Human
Dilution info	1/5000
Notes	-

Predicted

Species	Human
Dilution info	-
Notes	-

Not recommended

Species	Synthetic peptide - Human, Mouse, Rat
Dilution info	-
Notes	-

Target data

See full target information H3C1 mutated K9M

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.

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For

details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

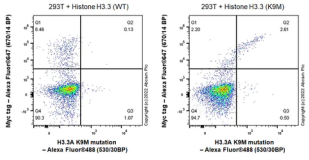
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

3 product images

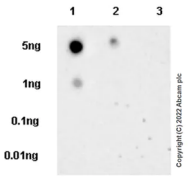


Flow Cytometry (Intracellular) - Anti-Histone H3 (mutated K9M) antibody [EPR26429-113] (ab289969)

Histone H3 (mutated K9M) Flow Cytometry (Intracellular) staining using rabbit Anti-Histone H3 (mutated K9M) antibody

Flow cytometric analysis of 4% paraformaldehyde fixed, 90% methanol permeabilized HEK-293T (Human embryonic kidney epithelial cell line) cells transfected with a human Histone H3 WT

expression vector containing a myc-His-tag® (Left) / HEK-293T cells transfected with a human Histone H3 (K9M) expression vector containing a myc-His-tag® (Right) labeling Histone H3 K9M mutant with ab289969 at 1/5000 dilution. The secondary antibody is Goat Anti-Rabbit IgG (Alexa Fluor® 488, ab150081) at 1/2000 dilution.



Dot Blot - Anti-Histone H3 (mutated K9M) antibody [EPR26429-113] (ab289969)

Histone H3 (mutated K9M) Dot Blot staining using rabbit Anti-Histone H3 (mutated K9M) antibody

Dot blot analysis of Histone H3 K9M mutant using ab289969 at 1/1000 dilution, followed by a Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ab97051) at 1/100,000 dilution.
The samples are as follows:

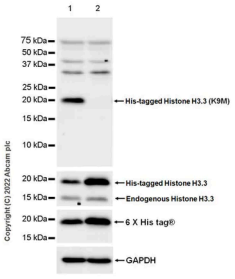
Lane 1: Human Histone H3 (K9M) peptide (aa 4-15)

Lane 2: Human Histone H3 (K9M) peptide (aa 2-12)

Lane 3: Human Histone H3 WT peptide (aa2-15)

Exposure time: 3 minutes

Blocking and diluting buffer and concentration: 5% NFDM/TBST



Western blot - Anti-Histone H3 (mutated K9M) antibody [EPR26429-113] (ab289969)

Blocking and diluting buffer and concentration: 5% NFDM/TBST
The bands above 25 kDa are expected to be non-specific bands.

Exposure time: 37 seconds

All lanes:
Western blot - Anti-Histone H3 (mutated K9M) antibody [EPR26429-113] (ab289969) at 1/1000 dilution

Lane 1:
HEK-293T (human embryonic kidney) cells transfected with a human Histone H3 (K9M) expression vector containing a myc-His tag whole cell lysate at 20 µg

Lane 2:
HEK-293T cells transfected with human Histone H3 WT expression vector containing a myc-His-tag whole cell lysate at 20 µg

Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ab97051) at 1/100000 dilution

Predicted band size: 15 kDa

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