

Datasheet for ABIN1387532
anti-Histone H4 antibody (acLys17)



[Go to Product page](#)

4 Images

Overview

Quantity:	100 µL
Target:	Histone H4
Binding Specificity:	acLys17
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H4 antibody is un-conjugated
Application:	ELISA, Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Acetyl-Histone H4(K17)
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	Histone H4
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Target Details

Abstract: [Histone H4 Products](#)

Background: Synonyms: H4/p, Histone H4, HIST1H4A, H4/A, H4FA
Background: 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.

Gene ID: 121504

UniProt: [P62805](#)

Application Details

Application Notes: ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200
ICC 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

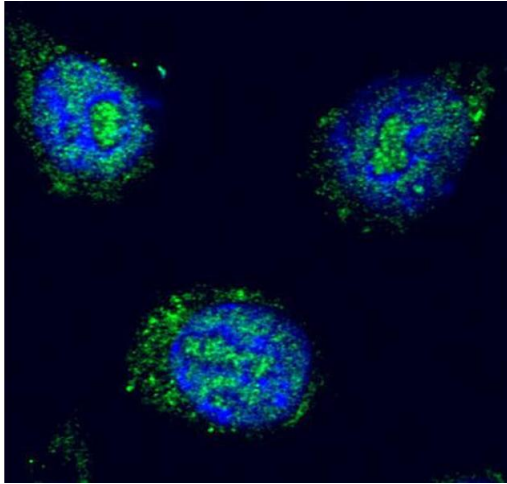
Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C,-20 °C

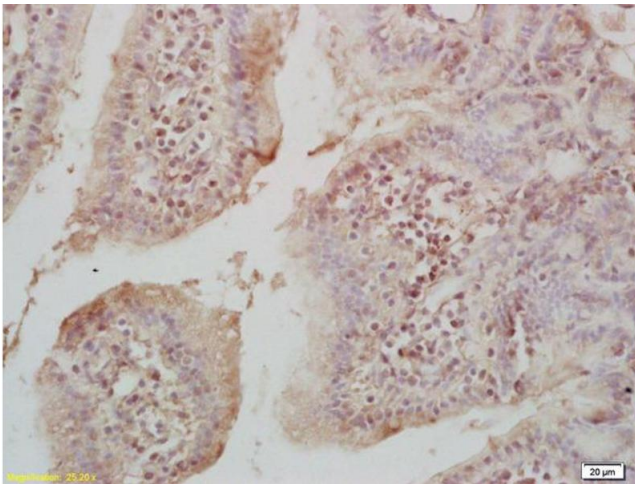
Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months



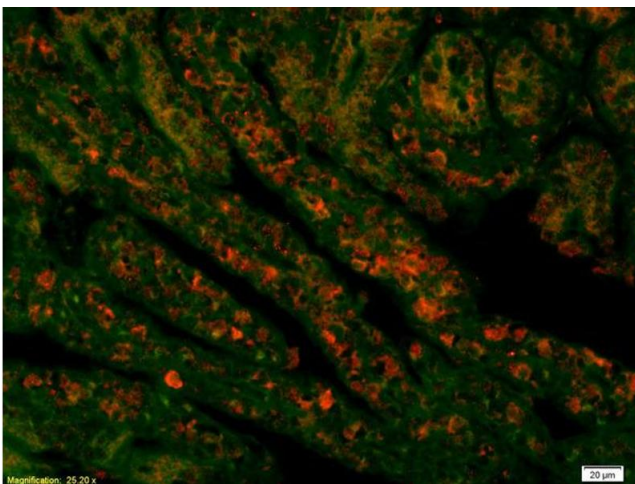
Immunofluorescence

Image 1. Image kindly submitted by Piotr Mamczur as part of the free sample program. Immunofluorescent localization of acetylated histone H4 in mouse squamous cell cancer (KLN-205 cell line) with BS-4707R (1:20) antibody and FITC-labeled secondary antibodies (1:2000). The nuclei were stained with DAPI.



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded mouse intestine labeled with Rabbit Anti Acetyl-Histone H4(K16) Polyclonal Antibody, Unconjugated (ABIN1387532) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunofluorescence

Image 3. Formalin-fixed and paraffin embedded mouse intestine labeled with Rabbit Anti Acetyl-Histone H4(K16) Polyclonal Antibody, Unconjugated (ABIN1387532) at 1:200, overnight at 4°C, The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated used at 1:200 dilution for 40 minutes at 37°C.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN1387532.