



Datasheet for ABIN739109

anti-Histone 3 antibody (AA 71-136)

6 Images

13 Publications



[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Histone 3 (H3)
Binding Specificity:	AA 71-136
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone 3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS), 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 Histone H3
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Cow,Pig,Rabbit,Drosophila
Purification:	Purified by Protein A.

Target Details

Target:	Histone 3 (H3)
---------	----------------

Target Details

Alternative Name: [Histone H3 \(H3 Products\)](#)

Background: Synonyms: Histone H3, H3.1, HIST1H3A, HIST1H3B, HIST1H3C, HIST1H3D, HIST1H3E, HIST1H3F, HIST1H3G, HIST1H3H, HIST1H3I, HIST1H3J, H3FA, H3FL, H3FC, H3FB, H3FD, H3FI, H3FH, H3FK, H3FF, H3FJ, H3.2, HIST2H3A, HIST2H3C, HIST2H3D, H3F2, H3FM, H3.3, H3F3A, H3F3B, H3.3A, H3.3B, H3F3, PP781, H3.3C, H3F3C, H3.5, H3.1t, HIST3H3, H3FT

Background: Variant histone H3 which replaces conventional H3 in a wide range of nucleosomes in active genes. Constitutes the predominant form of histone H3 in non-dividing cells and is incorporated into chromatin independently of DNA synthesis. Deposited at sites of nucleosomal displacement throughout transcribed genes, suggesting that it represents an epigenetic imprint of transcriptionally active chromatin. 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: 3020

UniProt: [P84243](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
FCM 1:20-100
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.

Handling

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

Publications

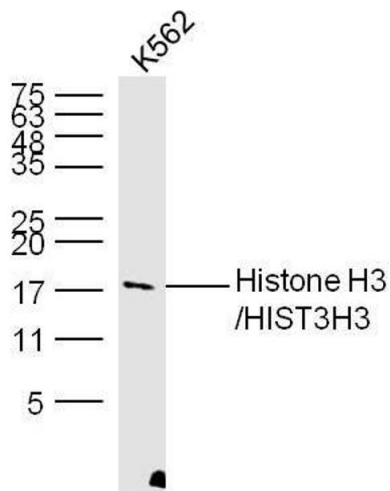
Product cited in: Si, Meng, Gao, Hui, Li, Liu, Yang: "Linagliptin protects rat carotid artery from balloon injury and activates the NRF2 antioxidant pathway." in: **Experimental animals**, Vol. 68, Issue 1, pp. 81-90, (2019) ([PubMed](#)).

Zhang, Zhang, Li, Wang, Gu, Feng, Wei, Peng, Zhang, Su, Wang, Li, Yang, Wong, Yang, Ma: "Uncoupling Protein 2 Inhibits Myointimal Hyperplasia in Preclinical Animal Models of Vascular Injury." in: **Journal of the American Heart Association**, Vol. 6, Issue 10, (2018) ([PubMed](#)).

Joy, Gau, Castellucci, Prywes, Roy: "The myocardin-related transcription factor MKL co-regulates the cellular levels of two profilin isoforms." in: **The Journal of biological chemistry**, Vol. 292, Issue 28, pp. 11777-11791, (2017) ([PubMed](#)).

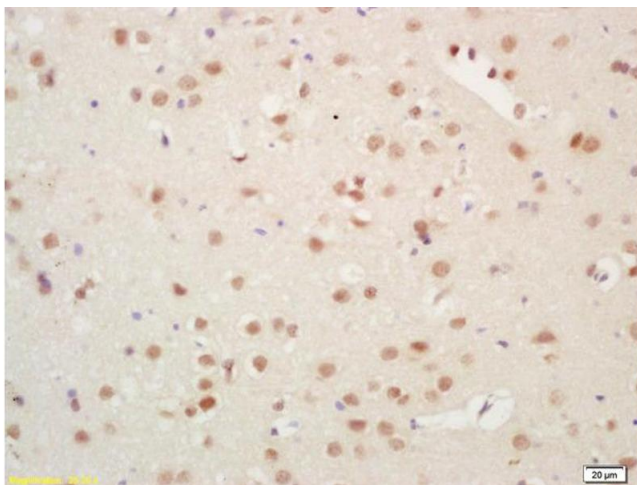
Yang, Liu, Jiang, Wang, Zhang: "Celastrol Attenuates Multiple Sclerosis and Optic Neuritis in an Experimental Autoimmune Encephalomyelitis Model." in: **Frontiers in pharmacology**, Vol. 8, pp. 44, (2017) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)



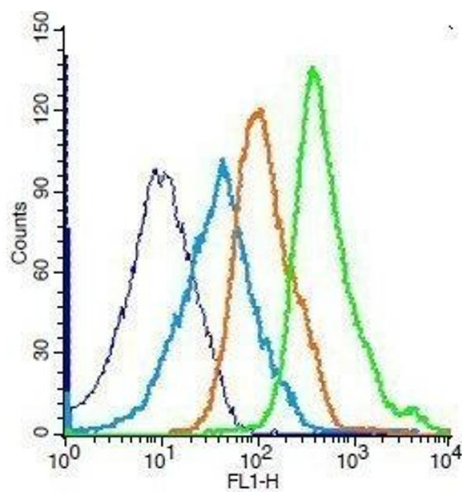
Western Blotting

Image 1. K562 Cell lysates probed with Histone H3 Polyclonal Antibody, unconjugated at 1:300 overnight at 4°C followed by a conjugated secondary antibody at 1:10000 for 60 minutes at 37°C.



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti Histone H3 Polyclonal Antibody, Unconjugated (ABIN739109) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Flow Cytometry

Image 3. Mouse splenocytes probed with Rabbit Anti-Histone H3 Polyclonal Antibody, Unconjugated .

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN739109.