

Datasheet for ABIN2788643
anti-Histone H3.3 antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	Histone H3.3 (H3F3A)
Binding Specificity:	N-Term
Reactivity:	Rat, Dog, Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Sequence:	KSAPSTGGVK KPHRYRPGTV ALREIRRYQK STELLIRKLP FQRLVREIAQ
Predicted Reactivity:	Dog: 100%, Pig: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against H3f3a. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	Histone H3.3 (H3F3A)
Alternative Name:	H3f3a (H3F3A Products)
Background:	H3f3a is a variant histone H3 which replaces conventional H3 in a wide range of nucleosomes in active genes. H3f3a constitutes the predominant form of histone H3 in non-dividing cells and is incorporated into chromatin independently of DNA synthesis. H3f3a is deposited at sites of nucleosomal displacement throughout transcribed genes, suggesting that it represents an

Target Details

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.

Alias Symbols: H3.3A, H3f3b, MGC102150

Protein Interaction Partner: Kmt2d, Chd5, Setd1a, Kmt2c, Setd1b, Ezh2, Chd1, Cbx3, Uhrf1, Nfkb2, Hdac5, Hdac3, Kdm6b, Nfe2, Aurka, Cbx2, Ehmt2, Cbx5, Aurkb, Cbx6, Bptf, Creb3l4, Ing2, Cbx7, Cbx8, Cbx4, Cd4, Fosb, Rps6ka5, Rps6ka3, Igh-8, Cd79a, Tcrb, Eif2s3x, Kdm5c, Nanog, Kcnq1ot1,

Protein Size: 126

Molecular Weight: 15 kDa

Gene ID: 15078

NCBI Accession: [NM_008210](#), [NP_032236](#)

UniProt: [P84244](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 126 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

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

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-H3f3a Antibody Titration: 1.0 ug/ml Positive Control: Mouse Spleen