

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

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

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

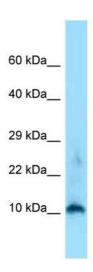
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained 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