

Datasheet for ABIN2788642
anti-HIST1H3A antibody (N-Term)



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2 Images

Overview

Quantity:	100 µL
Target:	HIST1H3A
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio), Pig, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIST1H3A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human HIST1H3A
Sequence:	KQTARKSTGG KAPRKQLATK AARKSAPATG GVKKPHRYRP GTVALREIRR
Predicted Reactivity:	Human: 100%, Mouse: 100%, Pig: 100%, Rat: 100%, Yeast: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against HIST1H3A. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	HIST1H3A
Alternative Name:	HIST1H3A (HIST1H3A Products)

Target Details

Background:	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H3 family. Transcripts from this gene lack polyA tails, instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3. Alias Symbols: H3/A, H3FA, HIST1H3B, HIST1H3C, HIST1H3D, HIST1H3E, HIST1H3F, HIST1H3G, HIST1H3H, HIST1H3I, HIST1H3J Protein Interaction Partner: WHSC1, SETD1A, FBLIM1, PRDM2, PRDM6, UBC, H2AFY, H2AFX, HIST1H1B, HIST1H1E, HIST1H1C, BAZ1B, HIST1H2AG, SMARCA5, HIST1H4A, HDAC2, UHRF1, L3MBTL2, GRB2, IRF1, HDAC11, AURKC, RPS6KA3, PAK1, ATXN1, ITGA4, env, CHAF1B, ASF1B, ASF1A, AURKB, CHAF1A, EP300, LRRK Protein Size: 136
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Molecular Weight:	15 kDa
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Gene ID:	8350
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NCBI Accession:	NM_003529 , NP_003520
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UniProt:	P68431
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Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
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Comment:	Antigen size: 136 AA
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	Lot specific
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Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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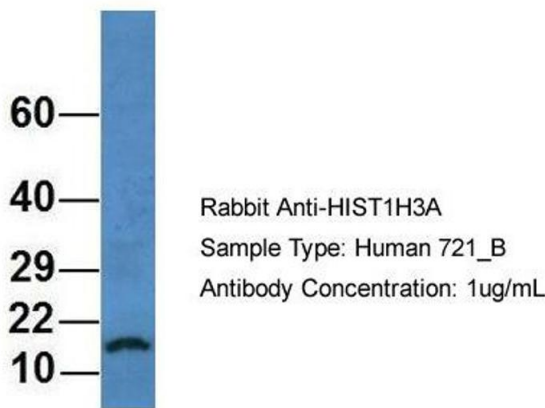
Preservative:	Sodium azide
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Handling

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
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

HIST1H3A



Western Blotting

Image 1. Host: Rabbit Target Name: HIST1H3A Sample Type: Human 721_B Antibody Dilution: 1.0ug/ml HIST1H3A is supported by BioGPS gene expression data to be expressed in 721_B



Western Blotting

Image 2. WB Suggested Anti-HIST1H3A Antibody Titration: 1.0 ug/ml Positive Control: Jurkat Whole Cell