Datasheet for ABIN2784540

anti-HIST2H2AC antibody (Middle Region)

1 Image

Go to Product page

Overview

Quantity:	100 µL
Target:	HIST2H2AC
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIST2H2AC antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human HIST2H2AC
Sequence:	IPRHLQLAIR NDEELNKLLG KVTIAQGGVL PNIQAVLLPK KTESHKAKSK
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 86%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 92%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against HIST2H2AC. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	HIST2H2AC

Target Details

Alternative Name:	HIST2H2AC (HIST2H2AC Products)
Background:	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. HIST2H2AC is a member of the histone H2A family.Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a member of the histone H2A family. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. Alias Symbols: H2A, H2A-GL101, H2A/q, H2AFQ, MGC74460 Protein Interaction Partner: BAP1, UBC, RNF2, INO80, UIMC1, RAD6, HDAC2, USP16, AURKB, NEDD8, CUL4A, USP15, SART3, HIST2H2BE, POLR2C, RNF168, HCVgp1, PRAME, RNF8, CRP, CENPA, HIST1H3B, EP300, KAT2A, BRCA1, BARD1, RBBP7, RBBP4, HAT1, ATXN7L3, USP22, MECP2, CHFR, DDB2, HIST1H4A, HIST1H Protein Size: 129
Molecular Weight:	14 kDa
Gene ID:	8338
NCBI Accession:	NM_003517, NP_003508
UniProt:	Q16777

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 129 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
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-HIST2H2AC Antibody Titration: 2.5ug/ml Positive Control: Jurkat cell lysate