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anti-HIST1H2AE antibody (Middle Region)





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Overview

Quantity:	100 μL
Target:	HIST1H2AE
Binding Specificity:	Middle Region
Reactivity:	Human, Cow, Rat, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIST1H2AE antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	TAEILELAGN AARDNKKTRI IPRHLQLAIR NDEELNKLLG RVTIAQGGVL
Predicted Reactivity:	Cow: 100%, Human: 100%, Pig: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against HIST1H2AE. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	HIST1H2AE
Alternative Name:	HIST1H2AE (HIST1H2AE Products)
Background:	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the
	chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA

wrapped around a histone 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 H2A 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: H2A.1, H2A.2, H2A/a, H2AFA, HIST1H2AB		

Protein Interaction Partner: UBC, HUWE1, SUZ12, EZH2, ITGA4, CAND1, COPS5, CUL1, CUL4A,

CUL4B, CUL5, NFX1, NEDD8, TONSL, SUMO1, EID1, UHRF1, NAP1L4,

Protein Size: 130

Molecular Weight:	14 kDa
Gene ID:	3012
NCBI Accession:	NM_021052, NP_066390
UniProt:	Q7L7L0
Pathways:	Telomere Maintenance

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 130 AA
Restrictions:	For Research Use only

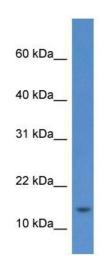
Handling

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.

Handling

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



Rabbit Anti-HIST1H2AE Antibody Catalog Number: ARP60986 Lot Number: QC31739 Lane: RPMI-8226 Cell Lysate

Antibody Titration: 1.0µg/ml Gel Concentration: 10-20%

Western Blotting

Image 1.