

Datasheet for ABIN2788645
anti-HIST1H2AE antibody (Middle Region)[Go to Product page](#)

1 Image

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

Target Details

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

