

Datasheet for ABIN7074228

**anti-H2-AB1 antibody****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	H2-AB1
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This H2-AB1 antibody is un-conjugated
Application:	Immunofluorescence (IF), Immunohistochemistry (IHC)

## Product Details

Immunogen:	Recombinant protein corresponding to Mouse H2ab1
Cross-Reactivity:	Rat
Purification:	Affinity purification

## Target Details

Target:	H2-AB1
Alternative Name:	H2ab1 ( <a href="#">H2-AB1 Products</a> )
Background:	Atypical histone H2A which replaces conventional H2A during late spermatogenesis and is involved in the replacement of histones to protamine in male germ cells . Core component of nucleosome: nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template . Nucleosomes containing H2AB1 only wrap 130 bp of DNA, compared to 147 bp for classical nucleosomes . In condensing

## Target Details

spermatids, the heterodimer between H2AB1 and H2BC1/TH2B is loaded onto the nucleosomes and promotes loading of transition proteins (TNP1 and TNP2) onto the nucleosomes . Inclusion of the H2AB1-H2BC1/TH2B dimer into chromatin opens the nucleosomes, releasing the nucleosomal DNA ends and allowing the invasion of nucleosomes by transition proteins (TNP1 and TNP2) .

Gene ID: 68231

NCBI Accession: [NP\\_080903](#)

UniProt: [Q9CQ70](#)

## Application Details

Application Notes: IHC/IF (M,R) 1:4000-1:8800

Restrictions: For Research Use only

## Handling

Format: Liquid

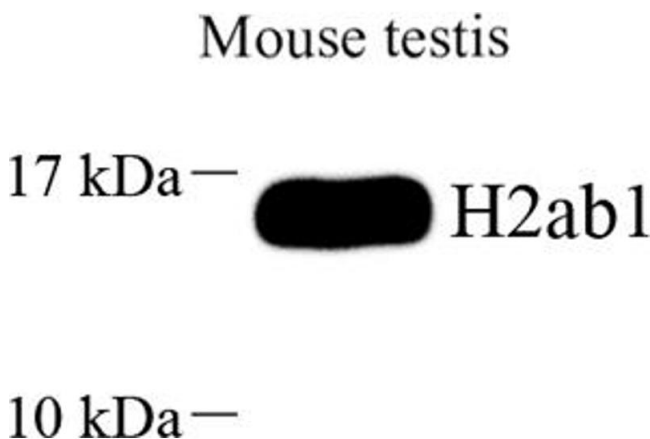
Buffer: PBS, pH 7.4, 0.02 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

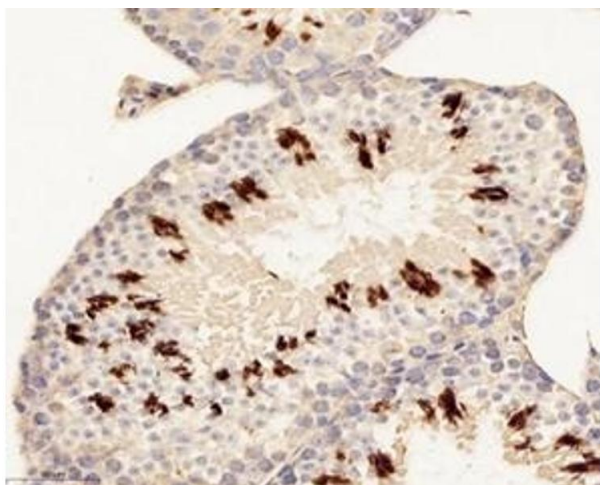
Storage: -20 °C

## Images



### Western Blotting

**Image 1.** Western blot analysis of H2ab1 (ABIN7074228) at dilution of 1: 2000



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Immunohistochemistry analysis of paraffin-embedded mouse testis using H2ab1 (ABIN7074228) at dilution of 1:8800