

Anti-Histone H100 (AcK163) Antibody
Rabbit polyclonal antibody to Histone H100 (AcK163)
Catalog # AP61134

Specification

Anti-Histone H100 (AcK163) Antibody - Product Information

Application	WB, IHC
Primary Accession	Q8IZA3
Other Accession	Q8VIK3
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35813

Anti-Histone H100 (AcK163) Antibody - Additional Information

Gene ID 132243

Other Names

H100; OSH1; Histone H100; Oocyte-specific histone H1; Oocyte-specific linker histone H1; osH1

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Histone H100 (AcK163). The exact sequence is proprietary.

Dilution

WB~~WB (1/500 - 1/1000), IH (1/50 - 1/200)

IHC~~1:100~500

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-Histone H100 (AcK163) Antibody - Protein Information

Name H1-8 ([HGNC:18463](#))

Function

May play a key role in the control of gene expression during oogenesis and early embryogenesis, presumably through the perturbation of chromatin structure. Essential for meiotic maturation of germinal vesicle-stage oocytes. The somatic type linker histone H1c is rapidly replaced by H100 in a donor nucleus transplanted into an oocyte. The greater mobility of H100 as compared to H1c may contribute to this rapid replacement and increased instability of the embryonic chromatin structure. The rapid replacement of H1c with H100 may play an important role in nuclear remodeling (By similarity).

Cellular Location

Cytoplasm. Nucleus {ECO:0000255|PROSITE-ProRule:PRU00837}. Chromosome {ECO:0000255|PROSITE-ProRule:PRU00837}

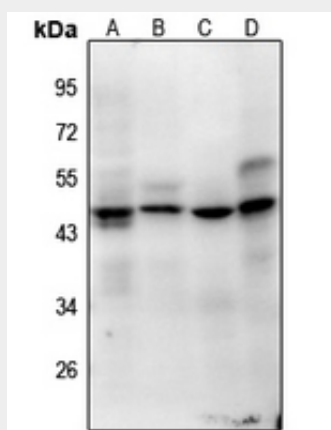
Tissue Location

Oocyte-specific..

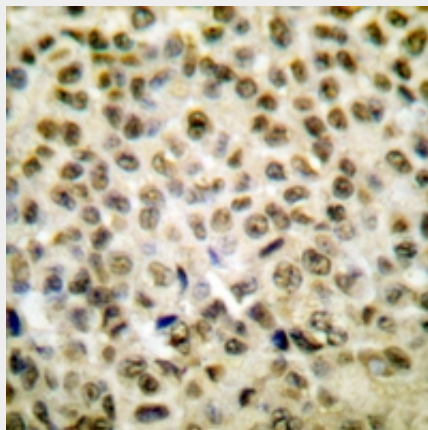
Anti-Histone H1oo (Ack163) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Histone H1oo (Ack163) Antibody - Images

Western blot analysis of Histone H1oo (Ack163) expression in A2780 (A), U87MG (B), mouse testis (C), rat brain (D) whole cell lysates.



Immunohistochemical analysis of Histone H1oo (Ack163) staining in human breast cancer

formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Anti-Histone H1oo (AcK163) Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Histone H1oo (AcK163). The exact sequence is proprietary.