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Anti-Histone H1oo (Acetyl-K163) Antibody

Catalog # AP61134

Product Information

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

Additional Information

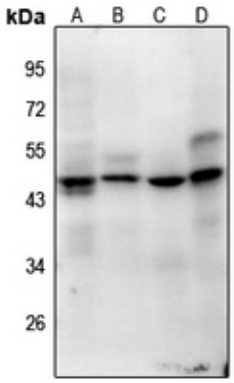
Gene ID	132243
Other Names	H1OO; OSH1; Histone H1oo; Oocyte-specific histone H1; Oocyte-specific linker histone H1; osH1
Target/Specificity	KLH-conjugated synthetic acetylated peptide corresponding to residues surrounding K163 of human Histone H1oo protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/50 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/50 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

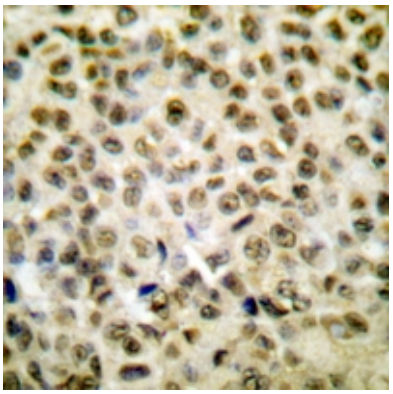
Name	H1-8 (HGNC:18463)
Function	May play a key role in the control of gene expression during oogenesis and early embryogenesis, presumably through the perturbation of chromatin structure. Essential for meiotic maturation of germinal vesicle-stage oocytes. The somatic type linker histone H1c is rapidly replaced by H1oo in a donor nucleus transplanted into an oocyte. The greater mobility of H1oo as compared to H1c may contribute to this rapid replacement and increased instability of the embryonic chromatin structure. The rapid replacement of H1c with H1oo 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..

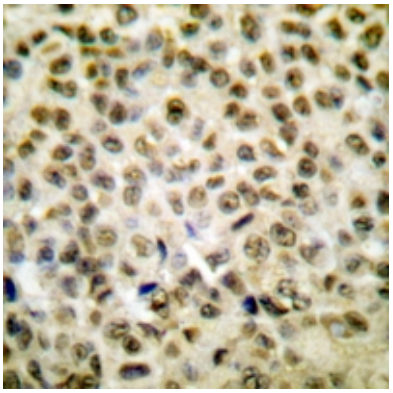
Images



Western blot analysis of Histone H1oo (Acetyl-K163) expression in A2780 (A), U87MG (B), mouse testis (C), rat brain (D) whole cell lysates. (Predicted band size: 35 kD; Observed band size: 42 kD)



Immunohistochemical analysis of Histone H1oo (Acetyl-K163) 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.



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