

## Product datasheet for **TA337813**

### **H1oo (H1FOO) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-H1FOO antibody: synthetic peptide directed towards the N terminal of human H1FOO. Synthetic peptide located within the following region: MAPGSVTSDISPSSTSTAGSSRSPSEKPGPSHGGVPPGGPSHSSLPVGR
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	36 kDa
Gene Name:	H1 histone family member O, oocyte specific
Database Link:	<a href="#">NP_722575</a> <a href="#">Entrez Gene 132243 Human</a> <a href="#">Q8IZA3</a>



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**Background:**

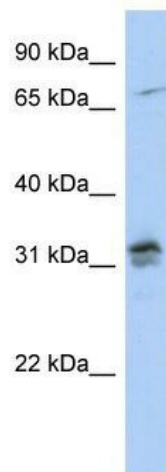
H1FOO may play a key role in the control of gene expression during oogenesis and early embryogenesis, presumably through the perturbation of chromatin structure. H1FOO is essential for meiotic maturation of germinal vesicle-stage oocytes. The somatic type linker histone H1c is rapidly replaced by H1oo 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. 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. The protein encoded is a member of the histone H1 family. This gene contains introns, unlike most histone genes. The protein encoded is a member of the histone H1 family. The related mouse gene is expressed only in oocytes.

**Synonyms:**

H1.8; H1oo; osH1

**Note:**

Immunogen Sequence Homology: Human: 100%; Rat: 83%

**Product images:**


WB Suggested Anti-H1FOO Antibody Titration:  
0.2-1 ug/ml; ELISA Titer: 1: 312500; Positive  
Control: Hela cell lysate