

## Product datasheet for **TA366606**

### H4C15 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse fetal brain tissue, 293T cell lysates IHC: 50-200 Positive control: Human tonsil Predicted cell location: Nucleus
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human H4C1
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	11 kDa
Gene Name:	histone cluster 2, H4b
Database Link:	<a href="#">Entrez Gene 554313 Human P62805</a>



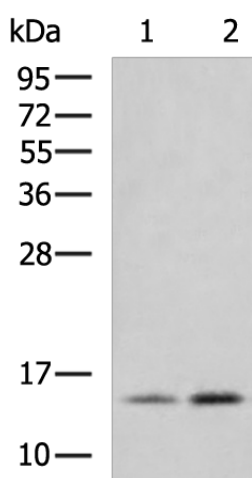
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**Background:**

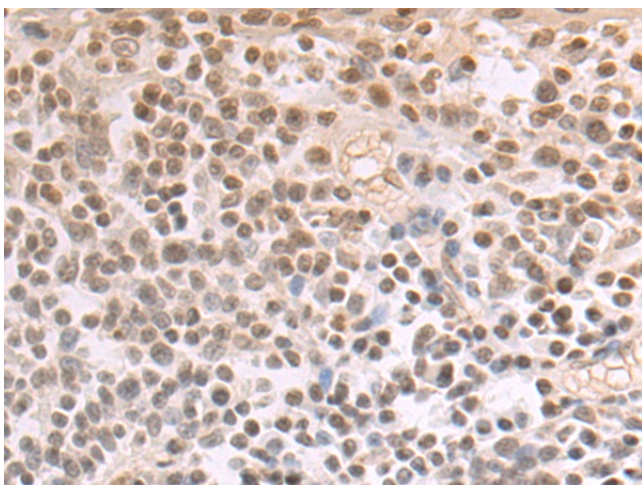
Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H4 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6.

**Synonyms:**

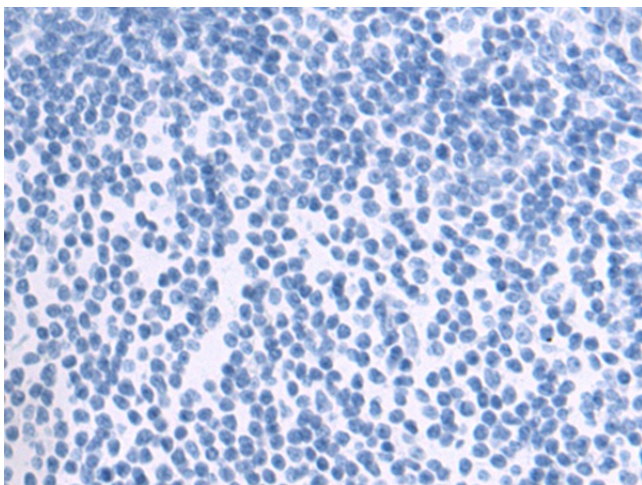
A; B; C; D; E; G; H; H4; H4F2; H4FA; H4FB; H4FC; H4FD; H4FE; H4FG; H4FH; H4FI; H4FJ; H4FK; H4FM; H4FN; H4FO; HIST2H4; I; J; K; M; N; o; OTTHUMP00000013907; OTTHUMP00000194769

**Product images:**

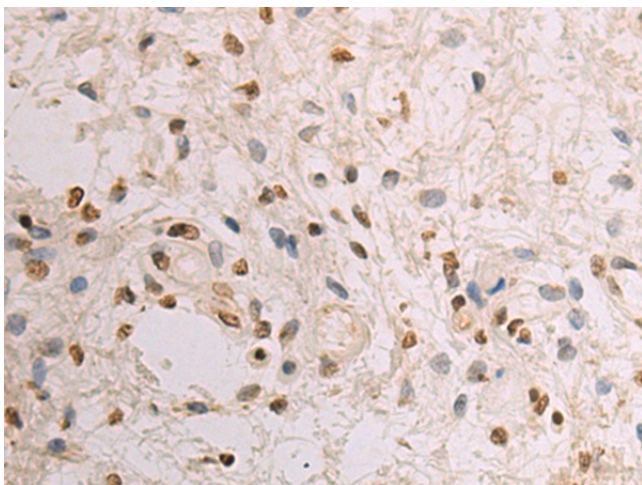
Gel: 12%SDS-PAGE  
Lysate: 40 µg  
Lane 1-2: Mouse fetal brain tissue  
293T cell lysates  
Primary antibody: TA366606 (H4C1 Antibody) at dilution 1/600  
Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution  
Exposure time: 1 minute



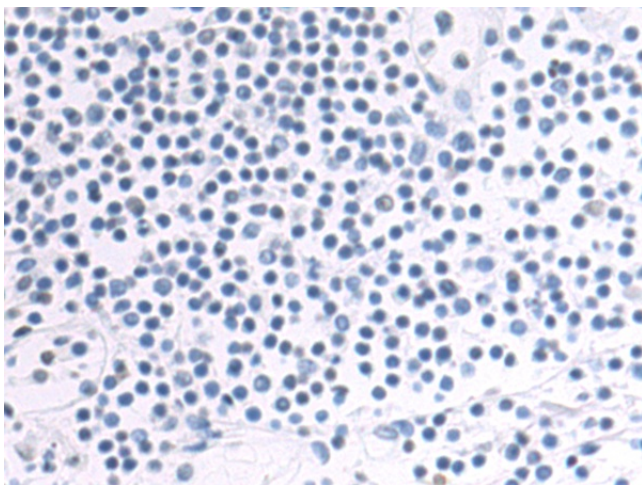
Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA366606 (H4C1 Antibody) at dilution 1/65 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA366606 (H4C1 Antibody) at dilution 1/65, treated with fusion protein. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA366606 (H4C1 Antibody) at dilution 1/65 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA366606 (H4C1 Antibody) at dilution 1/65, treated with fusion protein. (Original magnification:  $\times 200$ )