

## Product datasheet for **TA369159S**

### H4C15 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: LoVo, NIH/3T3 and 293T cells, mouse thymus tissue, Hela cells and mouse pancreas tissue IHC: 50-200 Positive control: Human colon cancer Predicted cell location: Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human H4C1
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
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>



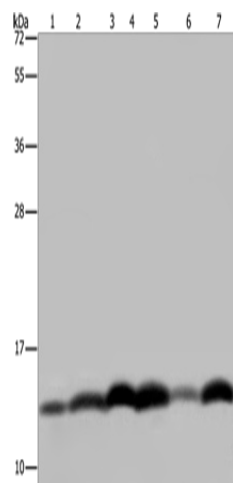
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**Background:**

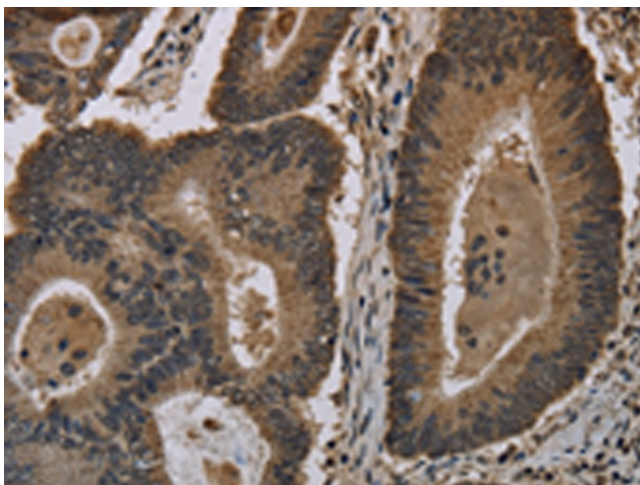
Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. 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. [provided by RefSeq, Aug 2015]

**Synonyms:**

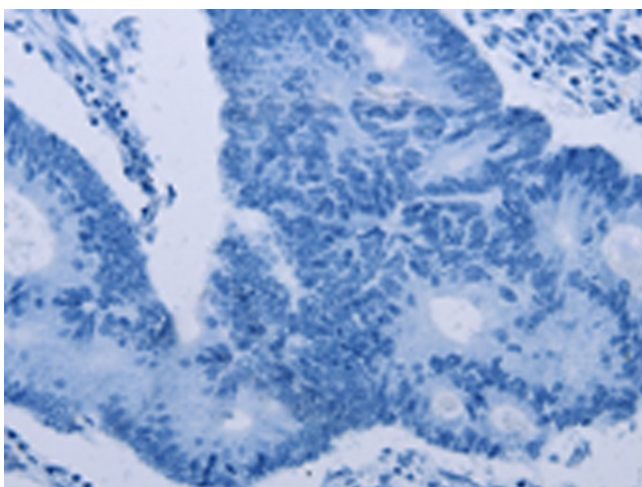
A; B; C; D; E; G; H; H4; H4F2; H4FA; H4FB; H4FC; H4FD; H4FE; H4FG; H4FH; H4FI; H4FJ; H4FK; H4FM; H4FN; H4FO; HIST2H4; I; J; K; M; N; o; OTTHUMP00000013907; OTTHUMP00000194769

**Product images:**


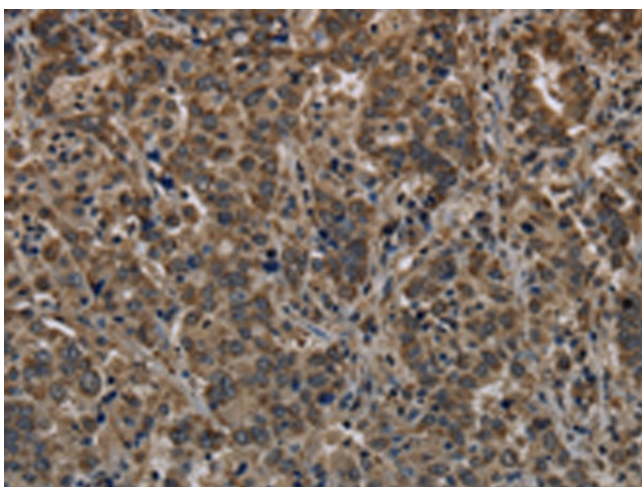
Gel: 10%SDS-PAGE  
 Lysate: 40 µg  
 Lane 1-6: LoVo cells  
 NIH/3T3 cells  
 293T cells  
 mouse thymus tissue  
 HeLa cells  
 mouse pancreas tissue  
 Primary antibody: [TA369159] (H4C1 Antibody) at dilution 1/250  
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
 Exposure time: 10 seconds



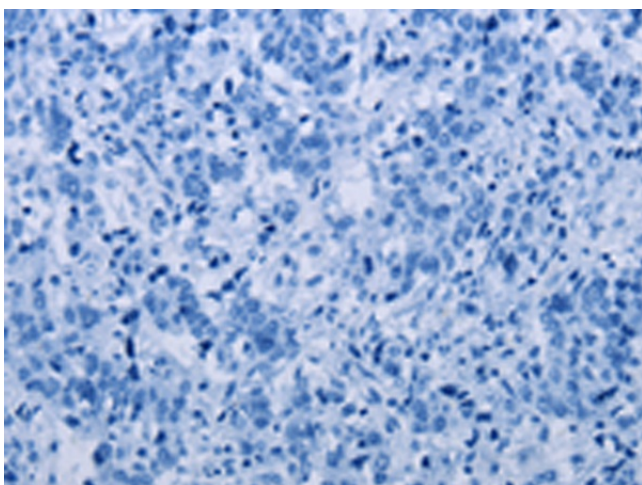
Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA369159] (H4C1 Antibody) at dilution 1/20 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA369159] (H4C1 Antibody) at dilution 1/20, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA369159] (H4C1 Antibody) at dilution 1/20 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA369159] (H4C1 Antibody) at dilution 1/20, treated with fusion protein. (Original magnification: ×200)