

## Product datasheet for **TA369158S**

### **HIST1H2AH Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse liver tissue, HepG2, 293T, Hela, Raji, A375 and K562 cells IHC: 50-200 Positive control: Human colon cancer Predicted cell location: Nucleus
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human H2AC12
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:	14 kDa
Gene Name:	histone cluster 1, H2ah
Database Link:	<a href="#">Entrez Gene 85235 Human Q96KK5</a>



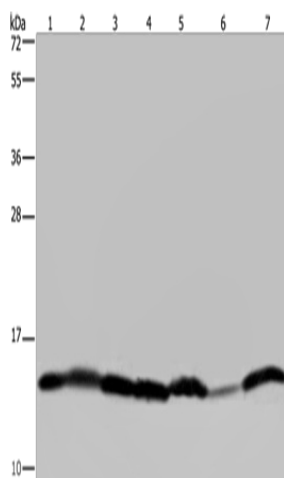
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**Background:**

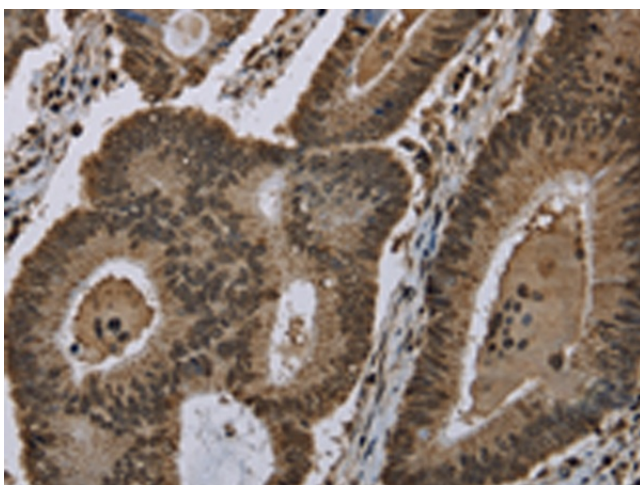
Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. 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 H2A family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the histone microcluster on chromosome 6p21.33. [provided by RefSeq, Aug 2015]

**Synonyms:**

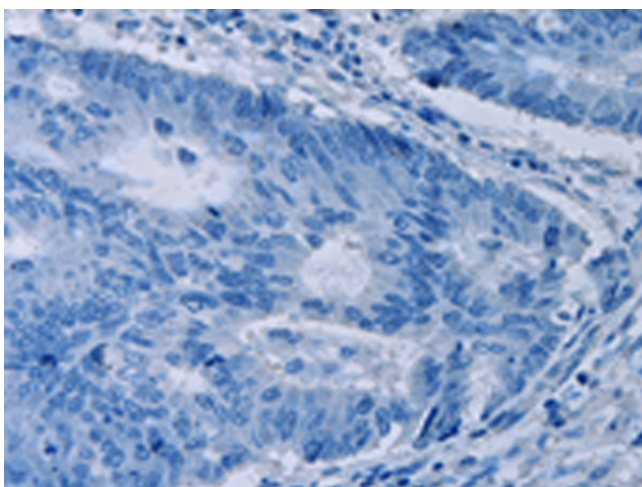
dj86C11.1; H2A/s; H2AFALii; HIST1H2AI; MGC171151

**Product images:**


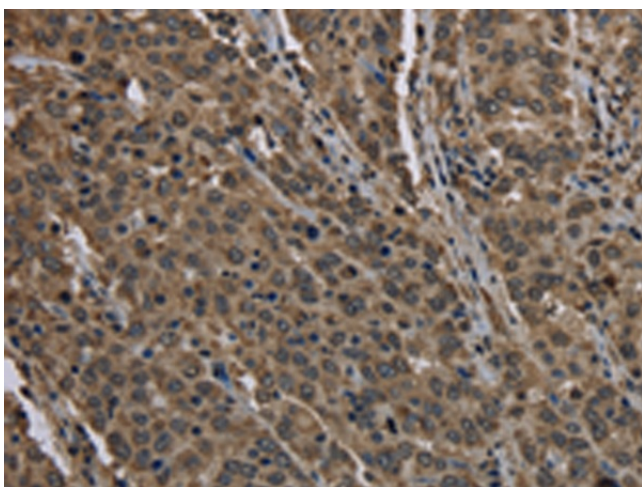
Gel: 10%SDS-PAGE  
 Lysate: 40 µg  
 Lane 1-7: Mouse liver tissue  
 HepG2 cells  
 293T cells  
 Hela cells  
 Raji cells  
 A375 cells  
 K562 cells  
 Primary antibody: [TA369158] (H2AC12 Antibody) at dilution 1/450  
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
 Exposure time: 20 seconds



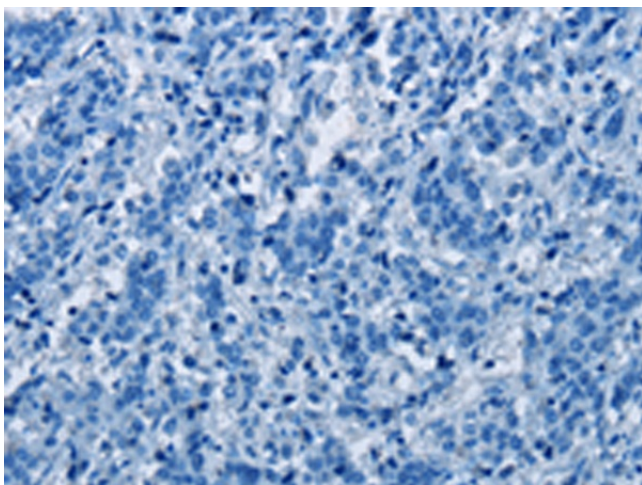
Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA369158] (H2AC12 Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA369158] (H2AC12 Antibody) at dilution 1/40, treated with fusion protein. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA369158] (H2AC12 Antibody) at dilution 1/40 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA369158] (H2AC12 Antibody) at dilution 1/40, treated with fusion protein. (Original magnification:  $\times 200$ )