

## Product datasheet for **TA366356S**

### Histone H2A.J (H2AFJ) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse brain tissue, 231, Jurkat cell lysates IHC: 150-300 Positive control: Human esophagus cancer Predicted cell location: Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human H2AJ
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:	H2A histone family member J
Database Link:	<a href="#">Entrez Gene 55766 Human Q9BTM1</a>



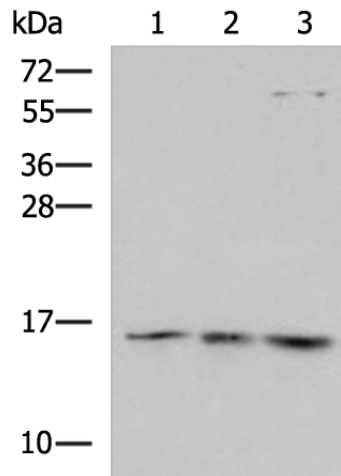
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**Background:**

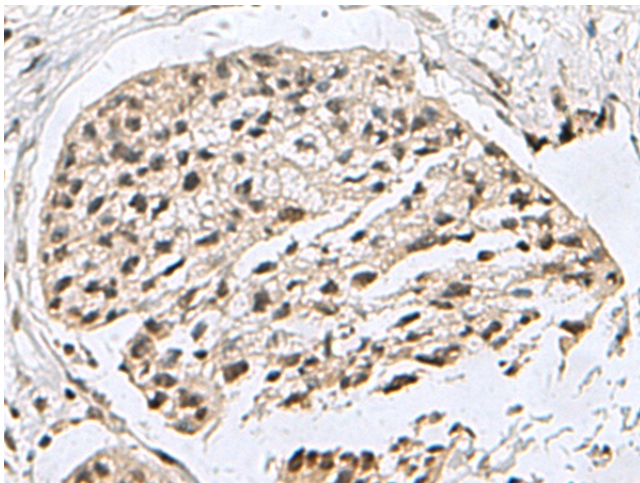
Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is located on chromosome 12 and encodes a replication-independent histone that is a variant H2A histone. The protein is divergent at the C-terminus compared to the consensus H2A histone family member. This gene also encodes an antimicrobial peptide with antibacterial and antifungal activity.[provided by RefSeq, Oct 2015]

**Synonyms:**

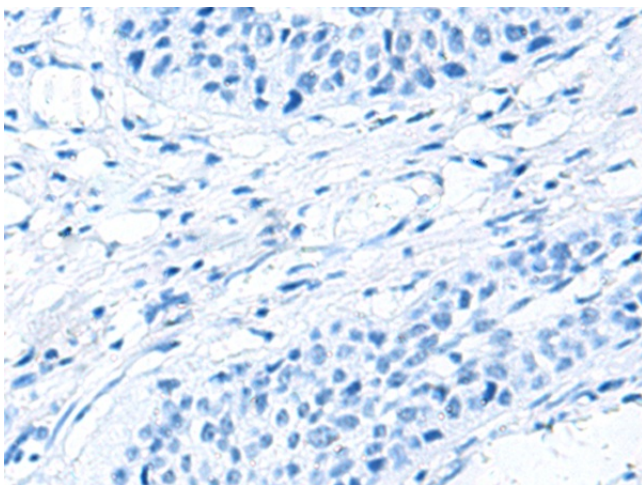
FLJ10903; FLJ52230; H2a/j; H2AJ; MGC921

**Product images:**


Gel: 12%SDS-PAGE  
 Lysate: 40 µg  
 Lane 1-3: Mouse brain tissue  
 231  
 Jurkat cell lysates  
 Primary antibody: [TA366356] (H2A) Antibody) at  
 dilution 1/800  
 Secondary antibody: Goat anti rabbit IgG at  
 1/5000 dilution  
 Exposure time: 20 seconds



Immunohistochemistry of paraffin-embedded  
 Human esophagus cancer tissue using  
 [TA366356] (H2A) Antibody) at dilution 1/160  
 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA366356] (H2A.J Antibody) at dilution 1/160, treated with fusion protein. (Original magnification:  $\times 200$ )