

## Product datasheet for **TA370704**

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

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Jurkat cell lysate IHC: 200-300 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
Concentration:	lot specific
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>



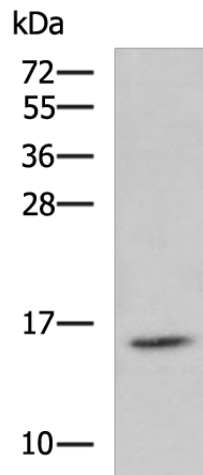
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**Background:**

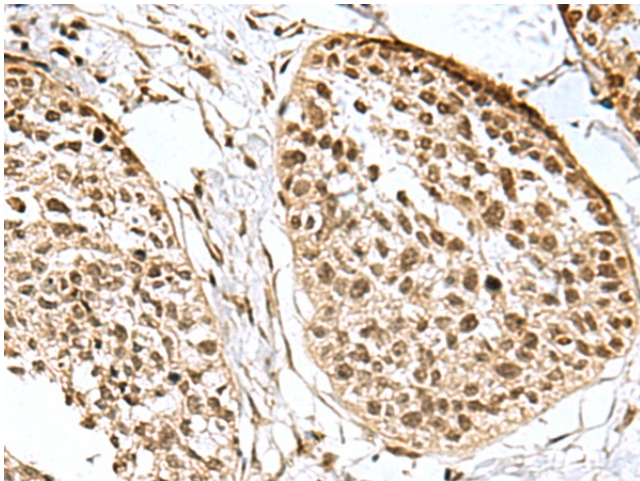
Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber 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:**

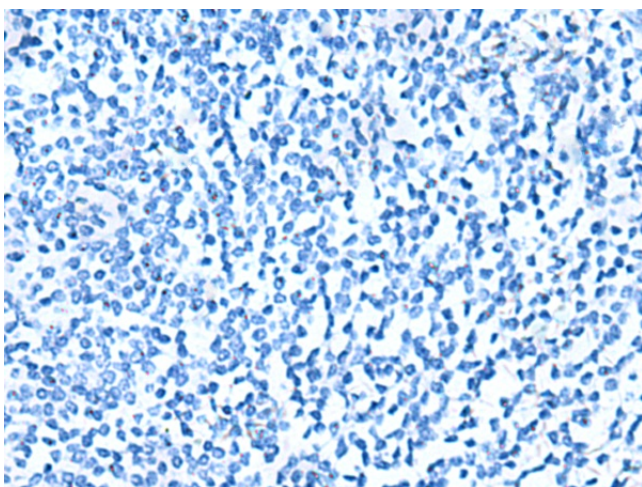
FLJ10903; FLJ52230; H2a/j; H2AJ; MGC921

**Product images:**


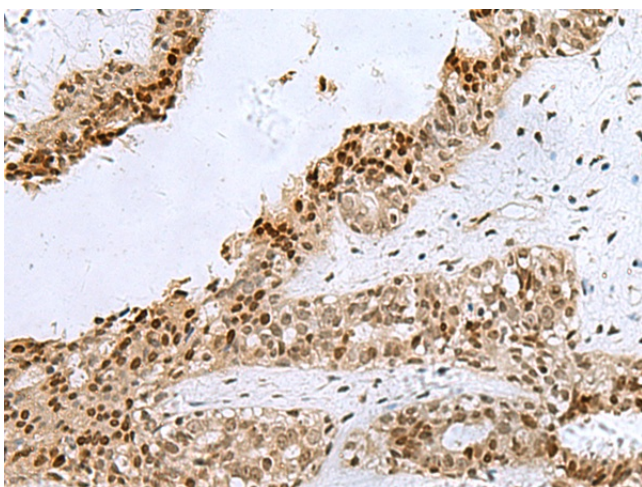
Gel: 12%SDS-PAGE  
 Lysate: 40 µg  
 Lane: Jurkat cell lysate  
 Primary antibody: TA370704 (H2AJ Antibody) at dilution 1/800  
 Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution  
 Exposure time: 30 seconds



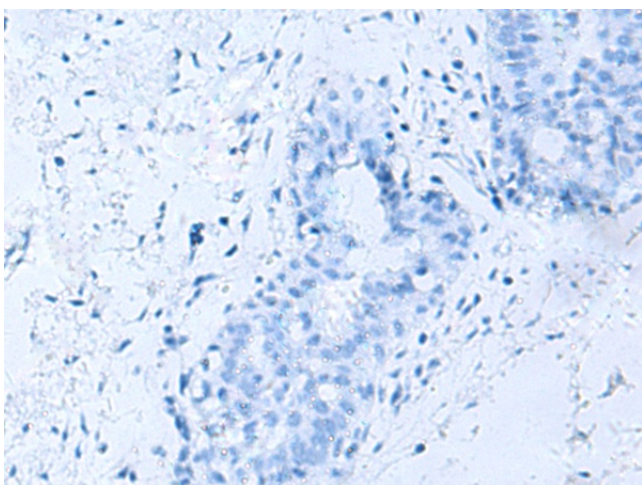
Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA370704 (H2AJ Antibody) at dilution 1/170 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA370704 (H2A.J Antibody) at dilution 1/170, treated with fusion protein. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA370704 (H2A.J Antibody) at dilution 1/170 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA370704 (H2A.J Antibody) at dilution 1/170, treated with fusion protein. (Original magnification:  $\times 200$ )