

## Product datasheet for **TA346960**

### Histone H2A.X (H2AFX) Mouse Monoclonal Antibody [Clone ID: 7G9-H4]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	7G9-H4
Applications:	IF, WB
Recommended Dilution:	WB: 1:2000, IF: 1:400
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	The immunogen for H2AX(Pi-Ser139) antibody: Synthetic phosphopeptide corresponding to residues surrounding Ser139 of human H2A.X.
Formulation:	Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.03% Proclin300 and 50% glycerol.
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	H2A histone family member X
Database Link:	<a href="#">NP_002096</a> <a href="#">Entrez Gene 15270 Mouse</a> <a href="#">Entrez Gene 3014 Human</a> <a href="#">P16104</a>
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 encodes a member of the histone H2A family, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif.



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**Synonyms:** H2A; H2A.X; H2AX; X

**Protein Families:** Druggable Genome

**Protein Pathways:** Systemic lupus erythematosus