

Product datasheet for **TA377047**

Histone H2A.X (H2AFX) Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | ICC/IF, IHC, WB |
| Recommended Dilution: | WB,1:500 - 1:1000 IHC,1:50 - 1:100 IF,1:50 - 1:100 |
| Reactivity: | Human, Mouse, Rat, Other (Wide Range) |
| Modifications: | Unmodified |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | A synthetic peptide of human Histone H2AX. |
| Formulation: | Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3. |
| Concentration: | lot specific |
| Purification: | Affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C. Avoid freeze / thaw cycles. |
| Stability: | Shelf life: one year from despatch. |
| Predicted Protein Size: | 15kDa |
| Gene Name: | H2A histone family member X |
| Database Link: | Entrez Gene 3014 Human P16104 |



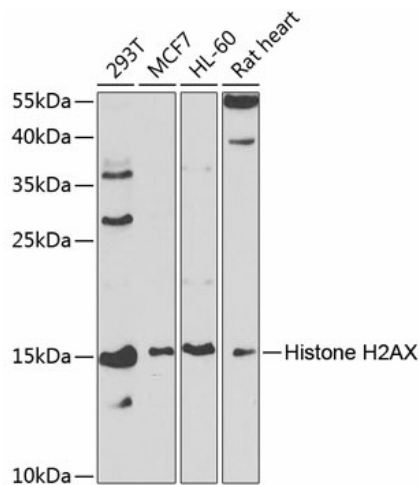
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Background:

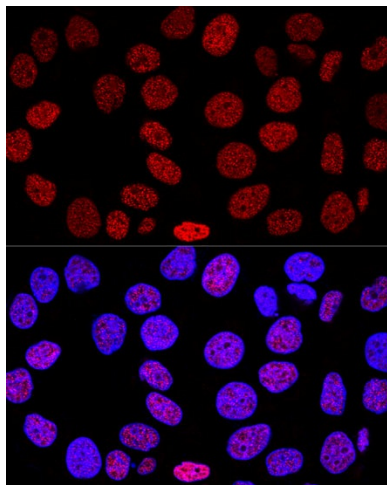
Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene encodes a replication-independent histone that is 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.

Synonyms:

H2A.X; H2A/X; H2AX

Product images:


Western blot analysis of extracts of various cell lines, using Histone H2AX antibody (TA377047) at 1:1000 dilution. |Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. |Lysates/proteins: 25ug per lane. |Blocking buffer: 3% nonfat dry milk in TBST. |Detection: ECL Basic Kit . |Exposure time: 90s.



Confocal immunofluorescence analysis of HeLa cells using Histone H2AX Polyclonal Antibody (TA377047) at dilution of 1:200. Blue: DAPI for nuclear staining.