

## Product datasheet for **TA354939**

### H2AC20 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Human, Rat, Mouse, Bovine, Chicken, Dog
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide derived from C-term of Histone H2A protein.
Formulation:	This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by Epitope Affinity Purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	~15 kDa
Gene Name:	histone cluster 2, H2ac
Database Link:	<a href="#">NP_003508</a> <a href="#">Entrez Gene 319176 Mouse</a> <a href="#">Entrez Gene 499675 Rat</a> <a href="#">Entrez Gene 483174 Dog</a> <a href="#">Entrez Gene 8338 Human</a> <a href="#">Q16777</a>

**Background:** Histones are basic nuclear proteins that together with DNA make up the nucleosome structure 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). Histone H1 and the N-terminal tail of H3 have key roles in the folding and inter-association of the chromatin fiber. 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 member of the histone H2A family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element.



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**Synonyms:** H2A; H2A-GL101; H2AFQ; q

**Protein Pathways:** Systemic lupus erythematosus

**Product images:**



WB: The nuclear extract derived from 3T3 cell lysate was resolved onto 12% SDS-PAGE, transferred onto NC membrane, and immunoprobed by Rabbit anti-Histone H2A antibody at 1:500. An immunoreactive band is observed around ~15 kDa (Lane 1). The BSA (lane 2) was loaded as negative control.