

Histone H2A (Acetyl Lys9) Rabbit mAb (AR1883)

Key Features

| | |
|---------------|--|
| Host Species: | Rabbit |
| Reactivity: | Human, Mouse, Rat |
| Applications: | WB, IHC, IF, IP, ELISA, CHIP, Cut&Tag |
| Isotype: | IgG, Kappa |
| MW: | 14kDa (Calculated) 14kDa (Observed) |

Recommended Dilution Ratios

| | |
|----------|--------------|
| IHC: | 1:1000-4000 |
| WB: | 1:2000-10000 |
| IF: | 1:200-1000 |
| ELISA: | 1:5000-20000 |
| IP: | 1:50-200 |
| CHIP: | 1:50-100 |
| Cut&Tag: | 1:50-100 |

Storage

-15°C to -25°C/1 year (Do not lower than -25°C)

Basic Information

| | |
|-----------|------------|
| Clonality | Monoclonal |
|-----------|------------|

Immunogen Information

Specificity

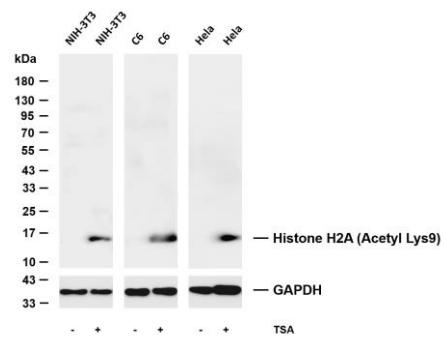
Histone H2A (Acetyl Lys9) Antibody detects endogenous levels of Histone H2A protein only when acetylated at Lys9. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):

Target Information

| Gene name | HIST1H2AB | | |
|-----------------------|--|--|--|
| Protein Name | Histone H2A type 1-B/E | | |
| Organism | Gene ID | UniProt ID | |
| Human | 8329; 8332; 8336; 8969; 3012; 8335; 3013; 85235; 723790; 8337; 92815 | P0C0S8; P04908; P20671; Q96KK5; Q6FI13; Q7L7L0 | |
| Mouse | 319164; 319168 | | |
| Rat | | P02262 | |
| Cellular Localization | Nucleus | | |
| Tissue specificity | Bone, Brain, Colon, Eye, Lymph, PCR rescued clones, Placenta, Spleen | | |

Validation Data

Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Histone H2A (Acetyl Lys9) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody.



Lane 1: NIH-3T3

Lane 2: NIH-3T3 was treated with TSA(400nM) for 18 hours

Lane 3: C6

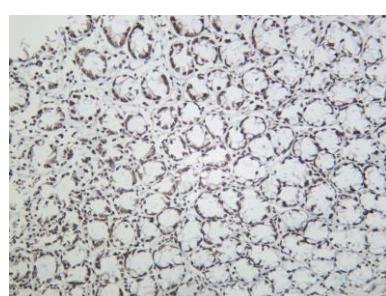
Lane 4: C6 was treated with TSA(500ng/ml)

Lane 5: Hela

Lane 6: Hela was treated with TSA(400nM) for 18 hours

Predicted band size: 14kDa

Observed band size: 14kDa



Rat colon was stained with anti-Histone H2A (Acetyl Lys9) Rabbit antibody.