# Anti-Histone H2A/H2B/H3 domain-containing protein, N-terminal antibody

**Catalog:** PHY6589A

## Product Information

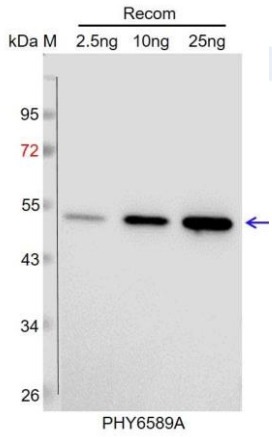
| | |
|---|---|
| **Description:** | Rabbit polyclonal antibody |
| **Background:** | CENH3 |
| **Synonyms:** | CENH3 |
| **Immunogen:** | KLH-conjugated synthetic peptide (15 aa from N terminal section) derived from *Sorghum bicolor* CENH3 (Sobic.009G178900). |
| **Form:** | Lyophilized |
| **Quantity:** | 150 μg |
| **Purification:** | Immunogen Affinity Purified |
| **Reconstitution:** | Reconstitution with 150 μl of sterile 1×PBS (PH=7.4).<br>"Note: please spin tube briefly prior to opening it to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tube". |
| **Stability & Storage:** | Use a manual defrost freezer and avoid repeated freeze-thaw cycles.<br>12 months from date of receipt, -20 to -70℃ as supplied.<br>6 months, -20 to -70℃ under sterile conditions after reconstitution.<br>1 month, 2 to 8℃ under sterile conditions after reconstitution. |
| **Shipping:** | The product is shipped at 4℃. Upon receipt, store it immediately at the temperature recommended above. |

## Application Information

| | |
|---|---|
| **Recommended Dilution:** | Western Blot (1:1000-1:2000), ChIP-seq<br>Note: Optimal dilutions/concentrations should be determined by the end user. |
| **Expected / apparent MW:** | 18 kDa |
| **Predicted Reactivity:** | For more species homologues information, please contact tech support at tech@phytoab.com. |

## Application Example

### Example1




Recom: 2.5 ng, 10 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 52 kDa.

**Electrophoresis:** 12% SDS-PAGE

**Transfer:** blotting to NC (nitrocellulose) membrane for 1 h.

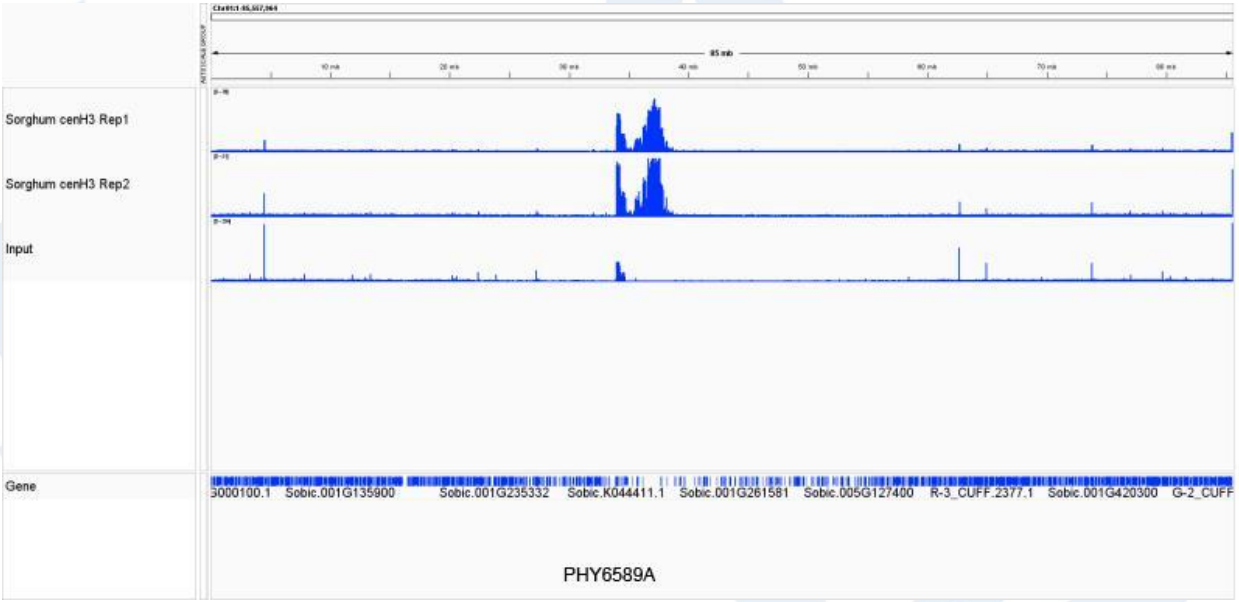
**Blocking:** 5% skim milk at RT or 4℃ for 1 h.

**Primary antibody:** 1:1000 dilution overnight at 4℃.

**Secondary antibody:** 1:10000 dilution using Goat Anti-Rabbit IgG H&L (HRP) (Cat# PHY6000).

**Detection:** using chemiluminescence substrate and image were captured with CCD camera.

### Example2




Anti-CENH3 Antibody tested by Chip-seq. Chromatin was prepared from *Sorghum bicolor*. 1.5 g of seedlings were fixed in 1% formaldehyde for 20 minutes, followed by the addition of 100 mmol/L glycine to terminate the fixation reaction. The supernatant was incubated with 7 µl of a CENH3 antibody. Immunocomplexes were captured for two hours at 4 °C.