

CAB7255

## Product Information

|                     |         |                      |           |                    |   |
|---------------------|---------|----------------------|-----------|--------------------|---|
| <b>Product SKU:</b> | CAB7255 | <b>Gene ID:</b>      | 8290/8350 | <b>Size:</b>       | 20uL, 100uL                                     |
| <b>Clone No:</b>    | -       | <b>Host Species:</b> | Rabbit    | <b>Reactivity:</b> | Human,Mouse,Rat,Other<br>(Wide Range Predicted) |

## Additional Information

|                       |       |                   |              |
|-----------------------|-------|-------------------|--------------|
| <b>Observed MW:</b>   | 17kDa | <b>Conjugate:</b> | Unconjugated |
| <b>Calculated MW:</b> | 16kDa | <b>Isotype:</b>   | IgG          |

## Immunogen Information

|                              |   |
|------------------------------|---|
| <b>Background:</b>           | Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber 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). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3. |
| <b>Recommended Dilution:</b> | WB,1:500 - 1:1000 IHC-P,1:50 - 1:200 IF/ICC,1:50 - 1:200 IP,0.5ug-4ug antibody for 200ug-400ug extracts of whole cellsChIP,5μg antibody for 5μg-10μg of ChromatinChIP-seq,1:20 - 1:50   |
| <b>Synonyms:</b>             | H3t; H3.4; H3/g; H3FT; H3C16; HIST3H3; Acetyl-Histone H3-K9   |
| <b>Purification Method:</b>  | Affinity purification   |
| <b>Immunogen:</b>            | A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Histone H3 (NP_003520.1).   |
| <b>Storage:</b>              | Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.  |