

### Product Information

<b>Product SKU:</b>	CAB2348	<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 (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

**Background:** 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.

**Recommended Dilution:** WB:1:2000 - 1:10000 IHC-P:1:50 - 1:200 IF/ICC:1:50 - 1:200 IP:0.5µg-4µg antibody for 200µg-400µg extracts of whole cellsChIP:3µg antibody for 5µg-10µg of Chromatin

**Synonyms:** H3t; H3.4; H3/g; H3FT; H3C16; HIST3H3; Histone H3

**Purification Method:** Affinity purification

**Immunogen:** A synthetic peptide corresponding to a sequence within amino acids 36-136 of human HIST3H3 (NP\_003520.1).

**Storage:** Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.