



# Anti-Histone H3 (Phospho S10) monoclonal antibody (CABT-BL8449)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	Phospho-Histone H3-S10
<b>Immunogen</b>	A phospho specific peptide corresponding to residues surrounding S10 of human Histone H3
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Protein A purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC, ICC, IF
<b>Format</b>	Liquid
<b>Size</b>	50 µl, 100 µl
<b>Buffer</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	This antibody is shipped at 4°C. This product is stable for 12 months from date of receipt when stored at -20°C to -70°C. Avoid freeze/thaw cycles.

## BACKGROUND

<b>Introduction</b>	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the
---------------------	----------------------------------------------------------------------------------------------

chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an 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 found in the large histone gene cluster on chromosome 6p22-p21.3.

---