



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

Specificity	Phospho-Histone H3-S10
Immunogen	A phospho specific peptide corresponding to residues surrounding S10 of human Histone H3
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A purification
Conjugate	Unconjugated
Applications	WB, IHC, ICC, IF
Format	Liquid
Size	50 µl, 100 µl
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Preservative	0.02% Sodium Azide
Storage	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

Introduction 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.
