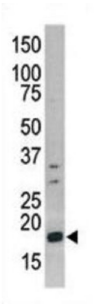
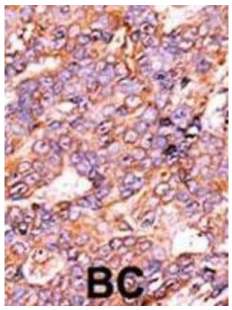
H3 (pS10) Antibody

Catalogue No.:abx025103



Western blot analysis of H3 (pS10) antibody in CEM cell line lysate (35 ug/lane). H3 (pS10) (arrow) was detected using the purified polyclonal antibody.



IHC analysis of formalin-fixed and paraffin-embedded human cancer tissue (BC = breast carcinoma). The tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining.

H3 (pS10) Antibody is a Rabbit Polyclonal antibody against H3 (pS10). 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. The gene for this protein is intronless and encodes a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. The gene is found in the large histone gene cluster on chromosome 6p22-p21.3.

Target:	H3 (pS10)
Clonality:	Polyclonal
Reactivity:	Human
Tested Applications:	ELISA, WB, IHC
Host:	Rabbit
Recommended dilutions:	WB: 1/1000, IHC-P: 1/50 - 1/100. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S10 of human H3.

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Isotype:	IgG
Form:	Liquid
Purification:	Purified by Protein A chromatography, followed by peptide affinity purification.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P68431 (UniProt, ExPASy)
KEGG:	hsa:8350, hsa:8351, hsa:8352, hsa:8353, hsa:8354, hsa:8355, hsa:8356, hsa:8357, hsa:8358, hsa:8968
String:	9606.ENSP00000484841
Molecular Weight:	Calculated MW: 15.4 kDa
Buffer:	PBS containing 0.09% sodium azide.
Specificity:	Predicted to react with Mouse, Rat, Cow, Pig, Chicken, Yeast, Zebrafish, Drosophila, Xenopus and C. elegans H3C1.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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