Phospho-Histone H3 pSer10 Antibody (K.872.3)

Lot Number: RI2261354

Product Data Sheet

Tested Species Reactivity
Human (Hu)
Mouse (Ms)
Rat (Rt)

Tested Applications	Dilution *
Western Blot (WB)	1:1000
Immunofluorescence (IF)	1:100-1:1000
Immunocytochemistry (ICC)	1:100-1:1000
Immunohistochemistry (Frozen) (IHC (F))	1:100
Flow Cytometry (Flow)	1:25

* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

Details	
Catalog Number:	MA5-15220
Size:	100 µL
Class:	Monoclonal
Type:	Antibody
Clone:	K.872.3
Host / Isotype:	Mouse / IgG1
Immunogen:	Synthetic phosphopeptide corresponding to residues surrounding pSer10 of human histone H3

Form Information	
Form:	Liquid
Purification:	Affinity chromatography
Storage Buffer:	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/ml BSA, 50% glycerol
Preservative:	<0.02% sodium azide
Storage Conditions:	-20°C

Product Specific Information

It is not recommended to aliquot this antibody.

This antibody is not cross-reactive with other phosphorylated histones or acetylated histone H3.

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

General Information

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 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.

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