



Mouse Anti-Human Phosphohistone H3 (PHH3) monoclonal antibody, clone JID759 (CABT-L3008)

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

PRODUCT INFORMATION

Product Overview	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
Specificity	Human Phosphohistone H3 (PHH3)
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	JID759
Conjugate	Unconjugated
Applications	IHC
Reconstitution	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.
Positive Control	Tonsil
Format	Liquid
Size	Predilut: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml

Buffer	Predilute: Antibody Diluent Buffer Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA
Preservative	< 0.1% Sodium Azide
Storage	Store at 2-8°C. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	Phosphohistone H3 (PHH3) is a histone protein involved in forming the major protein structure of chromatin in eukaryotic cells. Anti-Phosphohistone H3 (PHH3) has been shown to be specific for the core protein histone H3 only when phosphorylated at serine 10 or serine 28, deeming PHH3 useful as a mitotic marker for differentiating mitotic figures from apoptotic bodies and karyorrhectic debris, since phosphorylation on histone H3 is not detected during apoptosis. Phosphohistone H3 may therefore be useful in diagnosis of tumor grades, especially in the central nervous system, skin, gynecological, soft tissue, and gastrointestinal stromal tumors. Immunohistochemical staining with Anti-PHH3 has also been considered highly useful in prognosis of breast cancer, melanoma, and meningiomas.
Keywords	H3.3B;H3F3A;H3 histone;H3 histone family member E pseudogene;H3.3A;H33;H3F3;H3f3b;HIST3H3;Histone H3 3 pseudogene;Histone H3.3;PP781;