

DATASHEET

Phosphohistone H3 (PHH3) Mouse Monoclonal Antibody (ARM554)

CAT. NO. ARM6844

KEY FEATURES

Target	Phosphohistone H3 (PHH3)	Clone ID	ARM554
Source / Host	Mouse	Reactivity	Human
Applications	IHC	Dilution	1:100-1:200
Clonality	Monoclonal	Storage	-20°C

BACKGROUND

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 tumour grades, especially in central nervous system, skin, gynecological, soft tissue, and gastrointestinal stromal tumours. Immunohistochemical staining with Anti-PHH3 has also been considered highly useful in prognosis of breast cancer, melanoma, and meningiomas.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

Application	IHC
Dilution Ratio	1:100-1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Antibody Type	Primary antibodies
Isotype	IgG
Positive Control	Tonsil tissues
Localization	Nuclear
Form / Buffer	Tris Buffer, pH 7.3 - 7.7, with 1% BSA and <0.1% Sodium Azide
Purification	Purified
Conjugation	Unconjugated
Gene Symbol	H3C1 (HIST1H3A)
Entrez Gene ID	8350
Uniprot	P68431
Alternative Names	PHH3, Mitosis marker

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

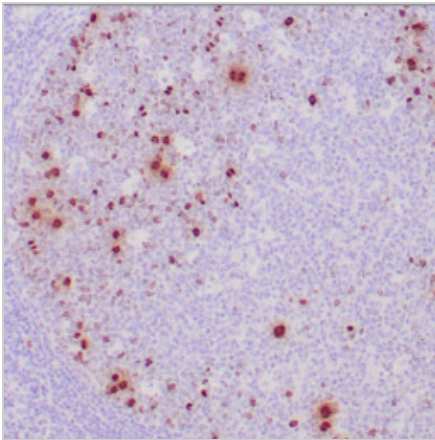
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

DATA

Immunohistochemical staining of human tonsil tissue using Phosphohistone H3 (PHH3) Mouse Monoclonal Antibody (ARM554).

RESEARCH USE ONLY

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: [www.arexbio.com / phosphohistone-h3-\(phh3\)-mouse-monoclonal-antibody-arm554-arm6844](http://www.arexbio.com/phosphohistone-h3-(phh3)-mouse-monoclonal-antibody-arm554-arm6844)