

Datasheet for ABIN7603448  
**anti-Histone H3.3 antibody (pTyr3)**



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## Overview

Quantity:	100 µL
Target:	Histone H3.3 (H3F3A)
Binding Specificity:	pTyr3
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

## Product Details

Purpose:	Anti-Phospho-Histone H3 (T3) H3F3A Monoclonal Antibody
Immunogen:	A synthesized peptide derived from human Phospho-Histone H3 (T3) H3 Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.
Clone:	AEO-8
Isotype:	IgG
Characteristics:	Anti-Phospho-Histone H3 (T3) H3F3A Monoclonal Antibody (ABIN7603448). Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human.

## Product Details

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Purification: Affinity-chromatography

## Target Details

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Target: Histone H3.3 (H3F3A)

Alternative Name: H3F3A ([H3F3A Products](#))

Background: Synonyms: Red fluorescent protein eqFP611,GFP-like chromoprotein,  
Tissue Specificity: Highly and selectively expressed by undifferentiated rather than differentiated embryonic stem cells (ESC). Levels rapidly diminish as soon as ESC's differentiate (at protein levels). Expressed in almost all epithelial cell membranes but not on mesodermal or neural cell membranes. Found on the surface of adenocarcinoma. .

Molecular Weight: 15 kDa

UniProt: [P84243](#)

## Application Details

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Application Notes: WB 1:500-1:2000  
IHC 1:50-1:200  
ICC/IF 1:50-1:200  
FC 1:50

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: Lot specific

Buffer: Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol, 0.4-0.5 mg/mL BSA.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.