

# Histone H3 (Phospho Thr45) rabbit pAb

Cat No.:ES20569

For research use only

## Overview

<b>Product Name</b>	Histone H3 (Phospho Thr45) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB
<b>Species</b>	Human;Mouse;Rat
<b>Cross-Reactivity</b>	
<b>Recommended dilution</b>	WB: 1:1000
<b>Immunogen</b>	Synthetic Peptide of Histone H3 (Phospho Thr45)
<b>Specificity</b>	The antibody detects endogenous Histone H3 (Phospho Thr45) protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Histone H3.1/Histone H3.2/Histone H3.3
<b>Gene Name</b>	HIST1H3A/HIST1H3B/HIST1H3C/HIST1H3D/HIST1H3E/HIST1H3F/HIST1H3G/HIST1H3H/HIST1H3I/HIST1H3J/HIST2H3A/HIST2H3C/HIST2H3D/H3F3A/H3F3B
<b>Cellular localization</b>	Nucleus. Chromosome.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal





Y

Concentration

Observed band 15-17kD

Human Gene ID 8350/8351/8352/8353/8354/8355/8356/8357/8358/8968

Human Swiss-Prot Number P68431/Q71DI3/P84243

Alternative Names HIST1H3A; H3FA; HIST1H3B; H3FL; HIST1H3C; H3FC; HIST1H3D; H3FB; HIST1H3E; H3FD; HIST1H3F; H3FI; HIST1H3G; H3FH; HIST1H3H; H3FK; HIST1H3I; H3FF; HIST1H3J; H3FJ; Histone H3.1; Histone H3/a; Histone H3/b; Histone H3/c; Histone H3/d; Histone H3/f; Histone H3/

**Background** 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 replication-dependent histone that is 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. [provided by RefSeq, Aug 2015],

Western blot analysis of extracts from HeLa cells, untreated (-) or treated, 1:2000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).

