

# Phospho-Histone H3 (Thr32) Polyclonal Antibody

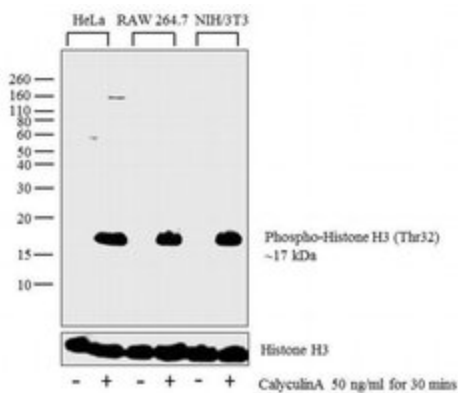
Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Peptide sequence around phosphorylation site of threonine 32(L-A-T(p)-K-A) derived from Human Histone H3.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4, with 50% glycerol
Contains	0.02% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2608327

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:2,000	-
ChIP assay (ChIP)	1.5 µg/1x10 <sup>6</sup> cells	-

## Product Specific Information

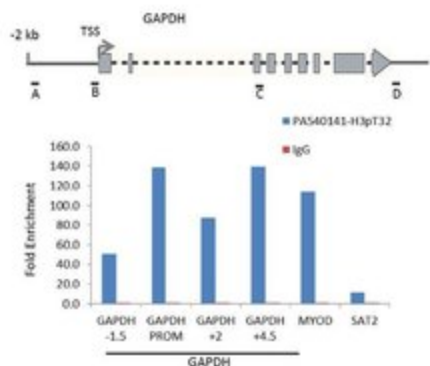
This antibody is predicted to react with mouse and rat based on sequence homology.

## Advanced Verification Data



### Phospho-Histone H3 (Thr32) Antibody (PA5-40141)

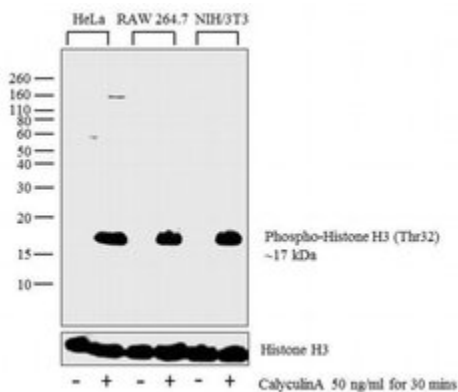
Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot analysis of Phospho-Histone H3 (Thr32) using Phospho-Histone H3 (Thr32) antibody (Product # PA5-40141), shows increased expression of phosphorylated Histone H3 on Thr 32 upon CalyculinA treatment in HeLa, RAW 264.7 and NIH/3T3 cell lines. Cell treatment validation info.



### Phospho-Histone H3 (Thr32) Antibody (PA5-40141)

Antibody specificity was demonstrated by detection of enrichment of the target protein at specific gene loci. Chromatin Immunoprecipitation (ChIP) was performed using Anti-Phospho-Histone H3 (Thr32) Polyclonal Antibody (Product # PA5-40141) using PCR primer pairs over the GAPDH gene (active) and SAT2 satellite repeats (inactive). Relative expression validation info.

## Product Images For Phospho-Histone H3 (Thr32) Polyclonal Antibody



### Phospho-Histone H3 (Thr32) Antibody (PA5-40141) in WB

Western blot analysis was performed on acid extracts (20  $\mu$ g lysate) of HeLa (Lane 1), HeLa treated with Calyculin A (50 ng/mL for 30 minutes) (Lane 2), RAW 264.7 (Lane 3), RAW 264.7 treated with Calyculin A (50 ng/mL for 30 minutes) (Lane 4), NIH/3T3 (Lane 5) and NIH/3T3 treated with Calyculin A (50 ng/mL for 30 minutes) (Lane 6). The blot was probed with Anti-Phospho-Histone H3 (Thr32) (Product # PA5-40141, 1:1000 dilution) and detected by chemiluminescence using Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25  $\mu$ g/mL, 1:4000 dilution). A 17 kDa band corresponding to Phospho-Histone H3 (Thr32) was observed across the cell lines upon treatment.

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