

## Recombinant Phospho-Histone H3 (Ser28) Monoclonal Antibody

catalog number: **AN300389L**

**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

### Description

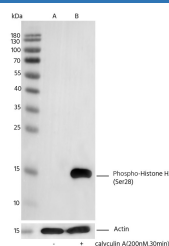
<b>Reactivity</b>	Human
<b>Immunogen</b>	A synthetic peptide corresponding to the residues around
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Clone</b>	12F3
<b>Purification</b>	Protein A
<b>Buffer</b>	10 mM sodium HEPES, 150 mM NaCl, 100 µg/mL protein protectant, 50% glycerol, pH 7.5

### Applications

### Recommended Dilution

<b>WB</b>	1:50000-1:500000
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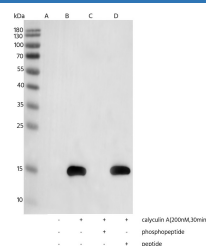
### Data



Western blot analysis of extracts from serum-starved HeLa, untreated (line A) or treated with calyculin A(200nM, 30min; +)(line B), using Phospho-Histone H3 (Ser28) rabbit monoclonal Antibody at 1:20000 dilution. (upper) or Anti-Actin Antibody, Chimeric Rabbit Monoclonal at 1:50000 dilution(lower).

**Observed-MW:17 kDa**

**Calculated-MW:17 kDa**



Western blot analysis of extracts from serum-starved HeLa, untreated (line A); treated with calyculin A(200nM, 30min), without peptide (line B) or antigen-specific phosphopeptide (line C) or antigen-specific peptide (line D) using Phospho-Histone H3 (Ser28) rabbit monoclonal Antibody at 1:20000 dilution.

**Observed-MW:17 kDa**

**Calculated-MW:17 kDa**

### Preparation & Storage

<b>Storage</b>	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
<b>Shipping</b>	Ice bag

### Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fibre is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures.

### For Research Use Only