

## Polyclonal Antibody to Histone H3 - Aff - Purified

**Alternate names:** H3 Histone family, HIST1H3

**Catalog No.:** TA318931

**Quantity:** 0.1 mg

**Concentration:** 0.5 mg/ml

**Background:** The nucleosome is made up of four core histone proteins (H2A, H2B, H3 and H4) and is the primary building block of chromatin. The N-terminal tail of core histones undergoes different posttranscriptional modification including acetylation, phosphorylation and methylation. These modifications occur in response to cell signal stimuli and have a direct effect on gene expression.

**Host:** Rabbit

**Immunogen:** Synthetic peptide near the C-terminus of human Histone H3

**Format:** **State:** Liquid purified Ig fraction.

**Purification:** Affinity Chromatography.

**Buffer System:** PBS, pH 7.2 containing 30% Glycerol, 0.5% BSA and 0.01% Thimerosal.

**Applications:** **Western blot:** 0.5-4 µg/ml.

**Immunohistochemistry:** 20 µg/ml.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:** The antibody detects ~17 kDa Histone H3 protein.  
It does not cross-react with other Histones.

**Species:** Human, Mouse and Rat.

Other species not tested.

**Storage:** Store the antibody undiluted at -20°C or for long term storage (in aliquots) at -70°C.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

**Pictures:** Western blot analysis of Histone H3 expression with Jurkat cell lysate.

