

DATASHEET

Version: 2016-08-17

Histone H4 Antibody, pAb, Rabbit

Cat. No.: A01176-40**Size:** 40 µg**Synonyms:** Rabbit Anti-Histone H4 pAb;**Description:**

Histone H4 is a core component of nucleosome facilitating nucleosome wrapping and DNA compacting into chromatin. This limits the DNAs accessibility to the cellular machineries for which DNA is required as a template. Histones thereby play a central role in transcription regulation, DNA repair and replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, of which the process is called the histone code, and nucleosome remodeling.

GenScript **Rabbit Anti-Histone H4 Polyclonal Antibody** is developed in rabbit using a KLH-coupled synthetic peptide corresponding to the residues of human Histone H4 protein.

Immunogen: Synthetic peptide (KLH-coupled) derived from human Histone H4

Host: Rabbit

Antigen Synonyms: Human

Conjugation: Unconjugated

Predicated Band Size:

15 kD

Observed Band Size:

15 kD

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02%

sodium azide

Ig Subclass: Rabbit IgG

Specificity: GenScript Rabbit Anti-Histone H4 Polyclonal Antibody detects endogenous levels of human Histone H4 protein. It is predicted to react with Histone H4 protein in mouse, rat, bovine, fruit fly, maize, baker's yeast according to sequence homology.

Purification: Immunoaffinity chromatography

Applications:

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may depend on secondary antibody affinity, antigen concentration, detection method, temperature, incubation length, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are starting recommendations for this product.

ELISA: 0.05-0.2 µg/ml

Western blot: 0.5-1 µg/ml

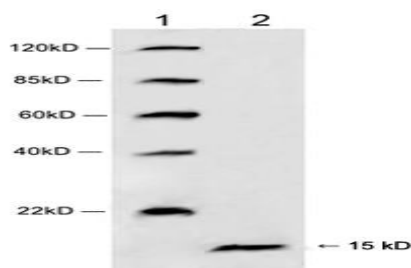
Other applications: user-optimized

Reconstitution:

Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/ml.

Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Example

Western blot analysis of HeLa cell lysate using 1 µg/ml Rabbit Anti-Histone H4 Polyclonal Antibody (GenScript, A01176). The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.