

Polyclonal Antibody to H2B (41-45) - Aff - Purified

Alternate names:	GL105, H2BQ
Catalog No.:	AP26057PU-S
Quantity:	50 µl
Concentration:	1.0 mg/ml
Background:	Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.
Host:	Rabbit
Immunogen:	Peptide sequence around amino acids 41~45 derived from Human H2B AA Sequence: Y-V-Y-K-V
Format:	State: Liquid purified Ig fraction Purification: Affinity Chromatography using epitope-specific peptide Buffer System: PBS (without Mg ²⁺ and Ca ²⁺), pH 7.4 containing 150mM NaCl, 0.02% Sodium Azide as preservative and 50% Glycerol as stabilizer
Applications:	Western blot: 1/500-1/1000. Incubate membrane with diluted antibody in 5% nonfat milk, 1xTBS, 0.1% Tween-20 at 4°C with gentle shaking, overnight. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects endogenous level of total H2B protein. Species: Human, Mouse, Rat. Other species not tested.
Add. Information:	Molecular Weight: 14 kDa
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Borchert GM, et al. (2010) PLoS One.5(7):e11641. 2. Pennini ME, et al. (2010) PLoS Pathog.6(7):e1000995. 3. Lu C, et al. (2010) Sci China Life Sci.53(6):663-8.

Pictures:

Western blot analysis of extracts from HeLa and 293 cells using H2B antibody AP26057PU-N.

