

## 45-1035: Rabbit Polyclonal Antibody to Histone 2B(Discontinued)

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	ELISA
<b>Reactivity :</b>	Human
<b>Gene :</b>	HIST1H2BM
<b>Gene ID :</b>	8342
<b>Uniprot ID :</b>	Q99879
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Histone H2B type 1-M, Histone H2B.e
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Synthetic peptide derived from the carboxyl terminal of human histone 2B .

### Description

Histone 2B is the core component of nucleosome. It is involved in nucleosome wrapping and the compaction of DNA into chromatin, limiting DNA accessibility. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication, and chromosomal stability. DNA accessibility is regulated via a complex system of nucleosome remodelling and post-translational modification of histones, also called histone code. Rabbit Anti-Histone 2B Polyclonal Antibody is developed in rabbit hosts using a KLH-coupled synthetic peptide corresponding to carboxyl terminal residues of human histone 2B protein (Swiss Prot: Q99879).

### Product Info

<b>Amount :</b>	40 µg
<b>Purification :</b>	Immunoaffinity chromatography
<b>Content :</b>	0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide
<b>Storage condition :</b>	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.

### Application Note

**ELISA:** 0.05-0.2 µg/ml

**Western blot:** 1-2 µg/ml

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

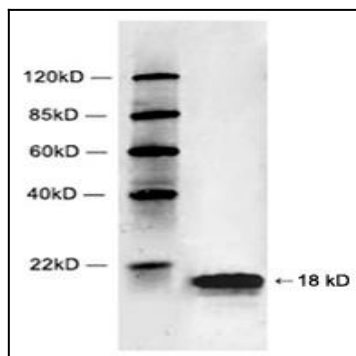


Figure-1 : Western blot analysis of Histone 2B Antibody at 1 µg/ml on HeLa cell lysate, IRDye 800 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody.