

Nur für Forschungszwecke

# Di-Methyl-Histone H3 (Lys36) Polyklonaler Antikörper



Katalog-Nr.: 29202-1-AP

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 29202-1-AP	<b>GenBank-Zugangsnummer:</b> BC066245	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 100ul , Konzentration: 300 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 8350	<b>Empfohlene Verdünnungen:</b> WB 1:1000-1:8000 ELISA 1:32000-1:128000
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> histone cluster 1, H3a	
<b>Isotyp:</b> IgG	<b>Beobachtete Masse:</b> 15-18 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> WB, ELISA	<b>Positivkontrollen:</b>
<b>Getestete Reaktivität:</b> Human, Maus, Ratte	<b>WB :</b> C2C12-Zellen, HEK-293T-Zellen, HeLa-Zellen, HepG2-Zellen, THP-1-Zellen
	<b>ELISA :</b> peptide,

## Hintergrundinformationen

Histones, including H1/H5 (linker histones), H2, H3, and H4 (core histones), are nucleic proteins which interact with DNA to form the nucleosomes and play important roles in gene regulation and DNA replication. Histone proteins are highly post-translationally modified while Histone H3 is the most extensively modified. The NSD family histone methyltransferases, including NSD1, NSD2 and NSD3, play crucial roles in chromatin regulation and are implicated in oncogenesis (PMID: 33361816). NSD enzymes exhibit an auto-inhibitory state that is relieved by nucleosome engagement, allowing for H3K36 di-methylation catalysis (PMID:22099308).

## Lagerung

**Lagerungsbedingungen:**  
Bei -20°C lagern.  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

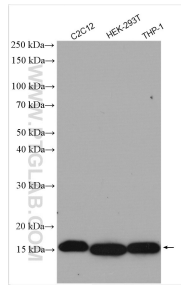
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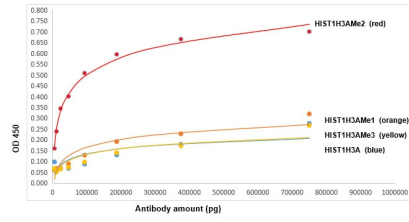
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## Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 29202-1-AP (HIST1H3A antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Di-Methyl-Histone H3(Lys36) antibody (29202-1-AP) tested by ELISA. HIST1H3A(31-43aa), HIST1H3AMe1(31-43aa), HIST1H3AMe2(31-43aa), HIST1H3AMe3(31-43aa) were coated onto microtiter plates at 0.15 µg/well and then incubated with a dilution series of HIST1H3AMe2 antibody (29202-1-AP). Bound antibodies were detected with HRP conjugated anti-rabbit IgG followed by incubation with HRP substrate and then measuring the resulting absorbance at 450