



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-Histone H4 [1A9D7] Standard Size Ab03227-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG format for improved compatibility with existing reagents assays and techniques.

**Isotype and Format:** Human IgG1, Fc Silent™, Kappa

**Clone Number:** 1A9D7

**Alternative Name(s) of Target:** H4K5acK8ac; Histone H4 protein;

**UniProt Accession Number of Target Protein:** P62805

**Published Application(s):** crystallization, WB, ELISA

**Published Species Reactivity:** Human

**Immunogen:** The original antibody was generated by immunizing mice with Histone H4 protein with site-specific acetylations at K5 and K8.

**Specificity:** The antibody specifically recognizes simultaneous acetylations at K5 and K8 of histone H4. Lysine acetylation of core histones is one of the major posttranslational modifications involved in the control of eukaryotic gene expression.

**Application Notes:** The specificity of the original format of the antibody for histone H4 proteins containing di-acetylation of K5acK8ac was confirmed by ELISA analysis. The antibody detected the histone H4 proteins containing at least the di-acetylation of K5acK8ac western blot analysis. The crystal structure of the complex of di-acetylated histone H4 and 1A9D7 Fab fragment was determined (Handoko et al., 2018; PMID: 30080437).

**Antibody First Published in:** Handoko et al. JQ1 affects BRD2-dependent and independent transcription regulation without disrupting H4-hyperacetylated chromatin states. Epigenetics. 2018;13(4):410-431.

[PMID:30080437](#)

**Note on publication:** The paper describes the generation and characterization of the antibody.

### Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:**

PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.