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Datasheet for ABIN7115040

anti-Histone Cluster 3, H3 (HIST3H3) antibody

Overview

| | |
|--------------|---|
| Quantity: | 100 µg |
| Target: | Histone Cluster 3, H3 (HIST3H3) |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | Un-conjugated |
| Application: | ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF) |

Product Details

| | |
|---------------|---------------------------------|
| Immunogen: | histone cluster 2, H3a |
| Isotype: | IgG |
| Purification: | Immunogen affinity purified |
| Purity: | ≥95 % as determined by SDS-PAGE |

Target Details

| | |
|-------------------|---|
| Target: | Histone Cluster 3, H3 (HIST3H3) |
| Alternative Name: | Histone-H3 (HIST3H3 Products) |
| Background: | Synonyms:H3/n, H3/o, H3F2, H3FM, HIST2H3A, HIST2H3C, HIST2H3D, histone cluster 2, H3a, Histone H3, Histone H3.2, Histone H3/m, Histone H3/o Background:HIST2H3A,histone cluster 2, H3a.It is the core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a |

Target Details

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. HIST2H3A is Expressed during S phase, then expression strongly decreases as cell division slows down during the process of differentiation.

Molecular Weight: 15-17 kDa

Gene ID: 333932

UniProt: [Q71DI3](#)

Application Details

Application Notes: WB: 1:500-1:5000, IHC: 1:50-1:200, IF: 1:20-1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months