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Datasheet for ABIN561220

## anti-H3F3B antibody (AA 1-136)

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### Overview

Quantity:	100 µg
Target:	H3F3B
Binding Specificity:	AA 1-136
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This H3F3B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Purpose:	Mouse monoclonal antibody raised against a full length recombinant H3F3B.
Immunogen:	H3F3B (AAH17558, 1 a.a. ~ 136 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MARTKQTARK STGGKAPRKQ LATKAARKSA PSTGGVKKPH RYRPGTVALR EIRRYQKSTE LLIRKLPFQR LVREIAQDFK TDLRFQSAAI GALQEASEAY LVGLFEDTNL CAIHAKRVTI MPKDIQLARR IRGERA
Clone:	2D7-H1
Isotype:	IgG1
Cross-Reactivity:	Human

## Product Details

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Characteristics: Antibody Reactive Against Recombinant Protein.

## Target Details

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Target: H3F3B

Alternative Name: H3F3B ([H3F3B Products](#))

Background: Full Gene Name: H3 histone, family 3B (H3.3B)  
Synonyms: H3.3B,H3F3A

Gene ID: 3021

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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Buffer: In 1x PBS, pH 7.4

Handling Advice: Aliquot to avoid repeated freezing and thawing.

Storage: -20 °C

Storage Comment: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Publications

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Product cited in: Hammoud, Low, Yi, Carrell, Guccione, Cairns: "Chromatin and transcription transitions of mammalian adult germline stem cells and spermatogenesis." in: **Cell stem cell**, Vol. 15, Issue 2, pp. 239-53, (2014) ([PubMed](#)).

Jullien, Astrand, Szenker, Garrett, Almouzni, Gurdon: "HIRA dependent H3.3 deposition is required for transcriptional reprogramming following nuclear transfer to Xenopus oocytes." in: **Epigenetics & chromatin**, Vol. 5, Issue 1, pp. 17, (2013) ([PubMed](#)).

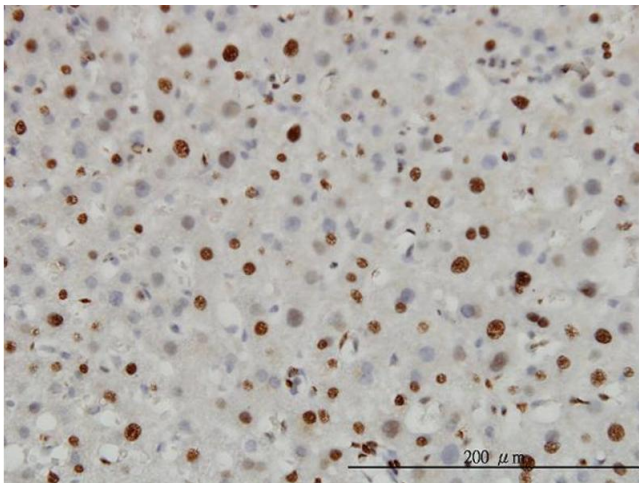
Orsi, Algazeery, Meyer, Capri, Sapey-Triomphe, Horard, Gruffat, Couble, Ait-Ahmed, Loppin: "Drosophila Yemanuclein and HIRA cooperate for de novo assembly of H3.3-containing nucleosomes in the male pronucleus." in: **PLoS genetics**, Vol. 9, Issue 2, pp. e1003285, (2013) ([PubMed](#)).

Lin, Conti, Ramalho-Santos: "Histone variant H3.3 maintains a decondensed chromatin state essential for mouse preimplantation development." in: **Development (Cambridge, England)**, Vol. 140, Issue 17, pp. 3624-34, (2013) ([PubMed](#)).

Szenker, Lacoste, Almouzni: "A developmental requirement for HIRA-dependent H3.3 deposition revealed at gastrulation in Xenopus." in: **Cell reports**, Vol. 1, Issue 6, pp. 730-40, (2012) ([PubMed](#)).

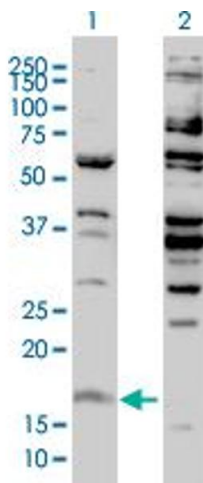
There are more publications referencing this product on: [Product page](#)

## Images



### Immunostaining

**Image 1.** Immunoperoxidase of monoclonal antibody to H3F3B on formalin-fixed paraffin-embedded human liver. [antibody concentration 3 ug/ml]

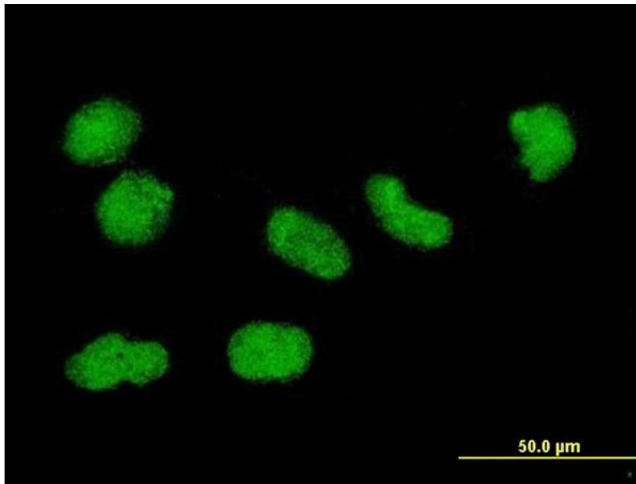


### Western Blotting

**Image 2.** Western Blot analysis of H3F3B expression in transfected 293T cell line by H3F3B monoclonal antibody (M01), clone 2D7-H1.

Lane 1: H3F3B transfected lysate(15 KDa).

Lane 2: Non-transfected lysate.



### Immunofluorescence

**Image 3.** Immunofluorescence of monoclonal antibody to H3F3B on HeLa cell. [antibody concentration 10 ug/ml]

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN561220.