

Datasheet for ABIN7155434

**anti-Histone H3.3 antibody (AA 2-136)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	100 µg
Target:	Histone H3.3 (H3F3A)
Binding Specificity:	AA 2-136
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H3.3 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	Recombinant Human Histone H3.3 protein (2-136AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	Histone H3.3 (H3F3A)
Alternative Name:	H3F3A ( <a href="#">H3F3A Products</a> )
Background:	Background: Variant histone H3 which replaces conventional H3 in a wide range of nucleosomes in active genes. Constitutes the predominant form of histone H3 in non-dividing

## Target Details

cells and is incorporated into chromatin independently of DNA synthesis. Deposited at sites of nucleosomal displacement throughout transcribed genes, suggesting that it represents an epigenetic imprint of transcriptionally active chromatin. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a 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.

Aliases: H3 histone family 3A antibody, H3 histone family 3B antibody, H3 histone, family 3B (H3.3B) antibody, H3.3 antibody, H3.3A antibody, H3.3B antibody, H33\_HUMAN antibody, H3F3 antibody, H3F3A antibody, H3f3b antibody, Histone H3.3 antibody, Histone H3.3Q antibody, Histone H3.A antibody, Histone H3.B antibody, MGC87782 antibody, MGC87783 antibody

UniProt: [P84243](#)

## Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

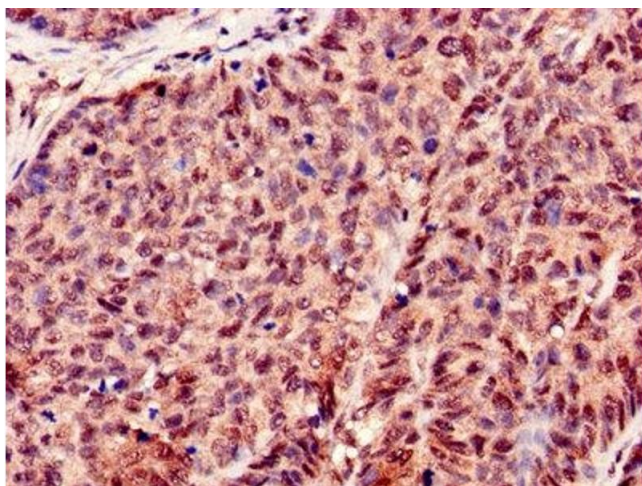
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

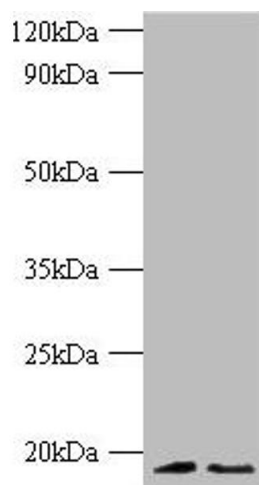
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



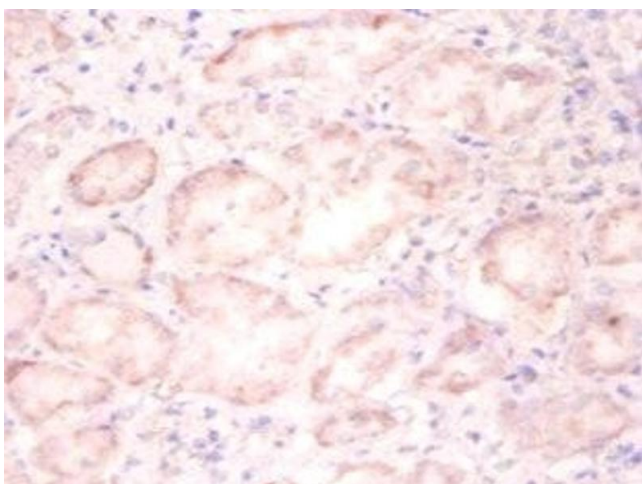
#### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human ovarian cancer using ABIN7155434 at dilution of 1:100



#### Western Blotting

**Image 2.** Western blot All lanes: Histone H3.3 antibody at 2 µg/mL Lane 1: 293T whole cell lysate Lane 2: EC109 whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/1000 dilution Predicted band size: 15 kDa Observed band size: 15 kDa



#### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7155434 at dilution of 1:100

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7155434.