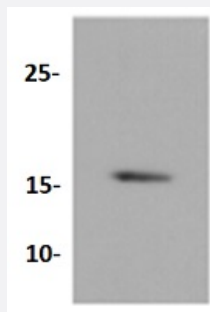


RecomAb™

## H3-3A recombinant monoclonal antibody

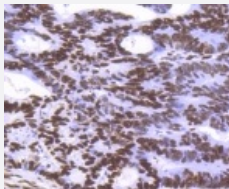
Catalog # RAB02773      Size 100 uL

### Applications



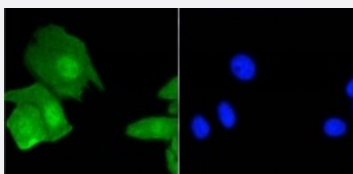
#### Western Blot (Cell lysate)

Western blot analysis of Lane1:BT-20 whole cell lysate with H3-3A recombinant monoclonal antibody (Cat # RAB02773) at 1:1000 dilution.



#### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using H3-3A recombinant monoclonal antibody (Cat # RAB02773). Counter stained with hematoxylin.



#### Immunocytochemistry

Immunocytochemical staining of BT-20 cells using H3-3A recombinant monoclonal antibody (Cat # RAB02773)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton \*100/PBS.

### Specification

#### Product Description

Rabbit recombinant monoclonal antibody raised against H3-3A.

Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant H3-3A.
Theoretical MW (kDa)	15
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of Histone H3.3 and does not cross-react with related proteins.
Form	Liquid
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Chromatin immunoprecipitation (1:50-1:200) Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.2 (50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- ChIP

- Western Blot (Cell lysate)

Western blot analysis of Lane1:BT-20 whole cell lysate with H3-3A recombinant monoclonal antibody (Cat # RAB02773) at 1:1000 dilution.

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- Immunofluorescence

## Gene Info — H3F3A

Entrez GeneID [3020](#)

Protein Accession# [P84243](#)

Gene Name H3F3A

Gene Alias H3.3A, H3F3, MGC87782, MGC87783

Gene Description H3 histone, family 3A

Omim ID [601128](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene contains introns and its mRNA is polyadenylated, unlike most histone genes. The protein encoded is a replication-independent member of the histone H3 family. [provided by RefSeq]

**Other Designations** OTTHUMP00000035618|OTTHUMP00000035619|OTTHUMP00000035621

## Pathway

- [Systemic lupus erythematosus](#)

## Disease

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [HIV Infections](#)