

## Product datasheet for **AP06614PU-M**

### H3.3A (H3F3A) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	<b>Western blot:</b> 1/500-1/1000. <b>Immunohistochemistry on paraffin sections:</b> 1/50-1/200. <b>Immunofluorescence:</b> 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to the N-terminal of Human Histone H3.3
Specificity:	This antibody detects endogenous levels of Histone H3.3 protein. (region surrounding Lys27)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 16 kDa
Gene Name:	H3 histone, family 3A
Database Link:	<a href="#">Entrez Gene 3020 Human P84243</a>



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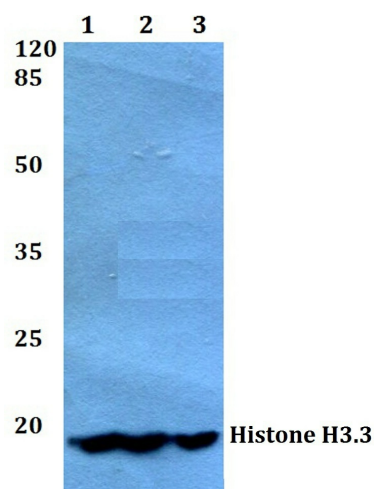
## Background:

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. Histone variants differ in amino acid sequence from their core histone counterparts and in some cases have also been shown to have functional differences to the more typical histones.

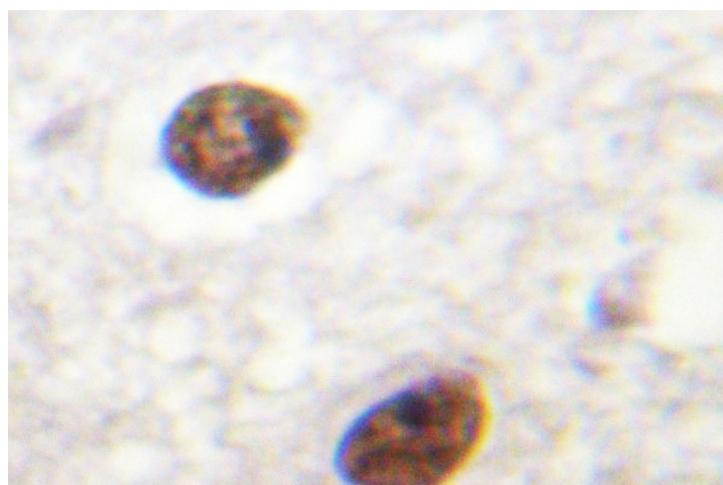
## Synonyms:

H3F3A, H3.3A, H3F3, PP781

## Product images:



Western blot (WB) analysis of Histone H3.3 antibody at 1/500 dilution Lane 1: HEK293T whole cell lysate Lane 2: Raw264.7 whole cell lysate Lane 3: H9C2 whole cell lysate



Immunohistochemistry (IHC) analyzes of Histone H3.3 antibody in paraffin-embedded human brain tissue.