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11-7007: Polyclonal Antibody to Histone H3.3

Clonality :	Polyclonal
Application :	IHC,WB
Reactivity :	Mouse,Human
Gene :	H3F3A
Gene ID :	3020
Uniprot ID :	P84243
Format :	Purified
Alternative Name :	H3F3A,H3.3A,H3F3,PP781
Isotype :	Rabbit IgG
Immunogen Information :	Full length recombinant Histone H3.3 protein was used as the immunogen for this antibody.

Description

Histones are major chromatin proteins involved in nucleosome assembly. Their major function is to compact long DNA strands inside the nucleus and chromatin regulation. Histone H3.3 is a replication independent variant of Histone H3 which is generally expressed in quiescent or terminally differentiated cells. Modifications in Histone H3.3 are associated with transcriptional activation and acts as an epigenetic mark of transcriptionally active chromatin. Histone H3.3 is a 15 kDa protein which is expressed throughout the cell cycle independently of DNA synthesis in all eukaryotic genomes.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein A Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Western blot analysis: 1-2 µg/ml, Immunohistochemical analysis: 5 µg/ml

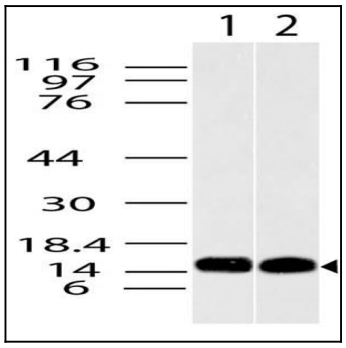


Figure-1: Western blot analysis of Histone H3.3. Anti-Histone H3.3 antibody (11-7007) was used at 2 µg/ml on (1) Raji, 2) Jurkat lysates.

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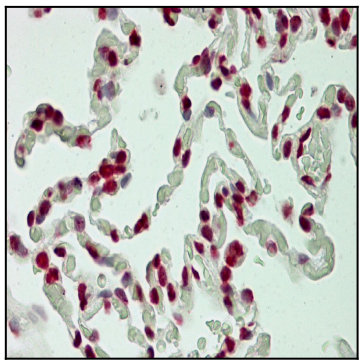


Figure-2: Immunohistochemical analysis of Histone H3.3. Anti-Histone H3.3 antibody (11-7007) in human Lung tissue at 5 µg/ml.

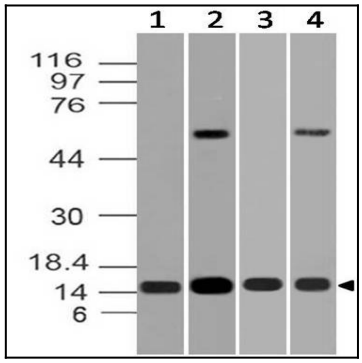


Figure-3: Western blot analysis of Histone H3.3. Anti-Histone H3.3 antibody (11-7007) was used at 2 µg/ml on (1) K562, 2) RAW, (3) EL-4 and (4) m Testis lysates.

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