

Histone H3 [D1H2] - 115In

Catalog: 711501

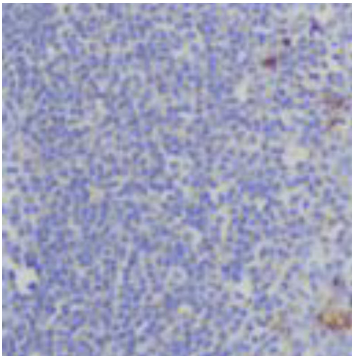
Clone: D1H2

Isotype: Rabbit IgG

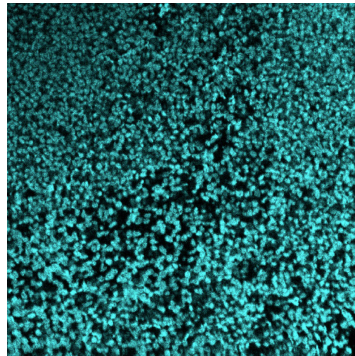
Reactivity: Human*, Mouse, Rat, Monkey

Application: MIBI-FFPE

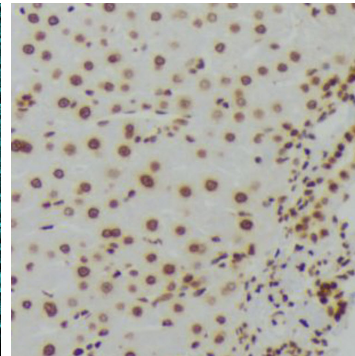
Storage: Supplied in antibody stabilizer with 0.05% sodium azide. Store at 4°C



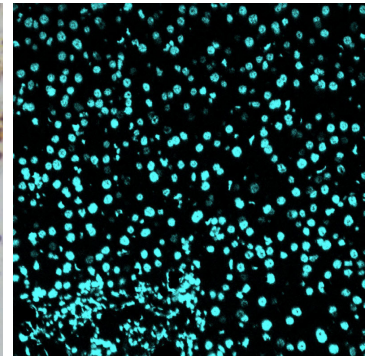
IHC: Histone H3 antibody staining of FFPE human tonsil



MIBI: Histone H3 antibody staining (cyan) of FFPE human tonsil



IHC: Histone H3 antibody staining of FFPE human liver



MIBI: Histone H3 antibody staining (cyan) of FFPE human liver

Background

Found in all eukaryotic cells, histones are basic nuclear proteins important for chromatin structure and transcription regulation. DNA is wrapped around histones into repeating units called nucleosomes. The accessibility of specific regions of DNA to transcription factors and RNA polymerase II is tightly regulated via post-translational modifications to histones. Histone H3 becomes phosphorylated at multiple sites (serine 10 and 28, threonine 11) during mitosis and meiosis.

Validation

Each lot of conjugated antibody is quality control tested by staining tissue following the MIBI Staining Protocol optimized for the applicable tissue format with subsequent MIBIScope analysis using the appropriate positive and negative tissue field of views. These results are pathologist verified.

Recommended Usage

Human FFPE: 1:100 dilution. For optimal results, the antibody should be titrated for each desired application.

References

Li, Bing et al. The role of chromatin during transcription. *Cell*. 2007; **128**(4):707 - 719.

* Conjugate tested on human tissue.