UC Davis/NIH NeuroMab Facility
Department of Physiology and Membrane Biology, UC Davis, Davis CA 95616
http://neuromab.ucdavis.edu neuromab@ucdavis.edu

Anti-Histone H3 acetyl-Lys56, NeuroMab clone N307/12

Available as TC supe (RRID: AB_11000168) & Pure IgG (RRID: AB_2315850)

Immunogen:
Synthetic peptide amino acids 51-60 (EIRRYQ[acetyl-K]STE) of human Histone H3.1 (also known by many other names, accession number P68431)
Mouse: 100% identity (10/10 amino acids identical)
Rat: 100% identity (10/10 amino acids identical)
100% identity with Histones H3.2, H3.3 and H3.3C

Monoclonal antibody info:
Mouse strain: Balb/C
Myeloma cell: SP2/0
Mouse Ig Isotype: IgG1

NeuroMab Applications:
Dot blot, Chromatin immunoprecipitation

Species Reactivity: human, mouse, rat

Reacts preferentially with Histone H3 acetylated-Lys56 than with unacetylated-Lys56 or with other H3 acetylated-Lys epitopes (Lys4, Lys9, Lys14, Lys18, Lys23, Lys27, Lys36 and Lys64)

Serial dilutions of BSA-conjugated modified and unmodified peptides dotted onto membrane and probed with N307/12 TC supe (left) and a rabbit polyclonal control (right).