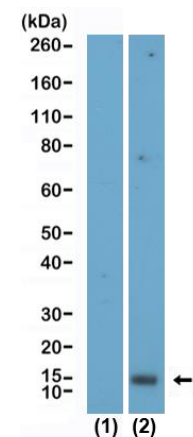
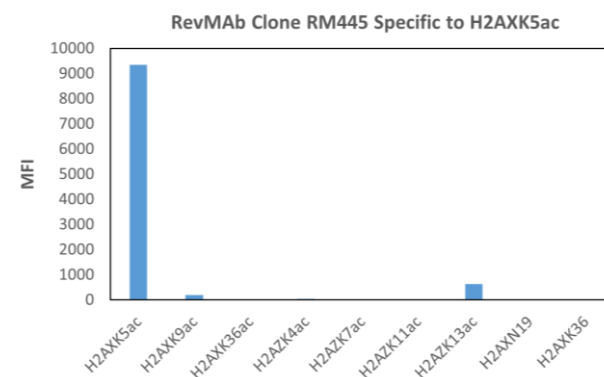


Certificate of Analysis

Product:	Rabbit Monoclonal Antibody Anti-Acetyl-Histone H2A.X (Lys5) Rabbit Monoclonal Antibody, Clone RM445
Catalog No.:	31-1336-00
Lot No.:	
Clone	RM445
Specificity	This antibody reacts to Histone H2A.X acetylated at Lysine 5 (K5ac). No cross reactivity with non-modified Lysine 5 or other acetylated Lysines in histone H2A.
Application:	Western Blot, Multiplex
Immunogen:	A peptide corresponding to acetyl-Histone H2A.X (Lys5).
Purity:	Protein A affinity purified from an animal origin-free culture supernatant
Size:	100 µg
Concentration:	1.0 mg/mL
Buffer:	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Usage:	WB: 0.04 µg/mL – 0.2 µg/mL; Multiplex: 0.2 µg/mL - 1 µg/mL.
Storage and Stability:	Stable for 1 Year at -20.0°C from date of receipt.
Country of Origin:	U.S.A.
Intended Use:	For Research Use Only Not for Diagnostic or Therapeutic Use



Western Blot of (1) H2A recombinant protein and (2) acid extracts of HeLa cell lysate, using acetyl-Histone H2A.X (Lys5) rabbit monoclonal antibody (RM445) at 0.04 µg/mL.



RM445 specifically reacts to Histone H2AX acetylated at Lysine 5 (K5ac). No or limited cross reactivity with acetylated Lysine 9 (K9ac), Lysine 36 (K36ac) in Histone H2AX, Lysine 4 (K4ac), Lysine 7 (K7ac), Lysine 11 (K11ac), Lysine 13 (K13ac) in Histone H2AZ, or non-modified Asparagine 19 (N19), Lysine 36 (K36) in Histone H2AX.