H2BK5ac Recombinant Polyclonal Antibody (24HCLC)

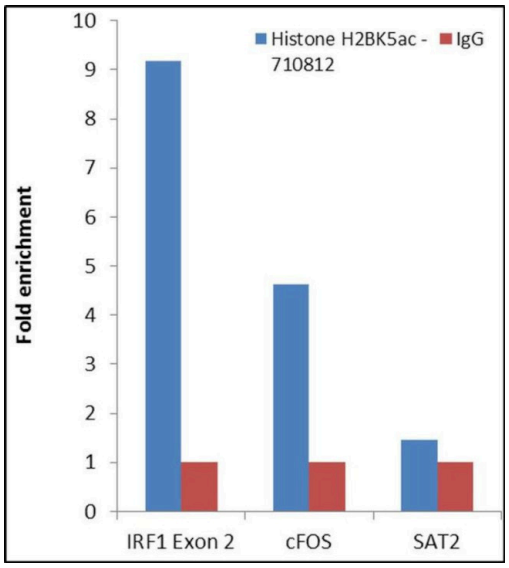
Product Details	
Size	100 µg
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Expression system	Expi293
Class	Recombinant Polyclonal
Type	Antibody
Clone	24HCLC
Conjugate	Unconjugated
Immunogen	Acetylated peptide (Lys5) corresponding to Human H2 (aa 2-9)
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2532768

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1500	-
Immunocytochemistry (ICC/IF)	0.5 µg/mL	-
ChIP assay (ChIP)	5 µg/mL	-
Peptide array (Array)	1-2 µg/mL	-

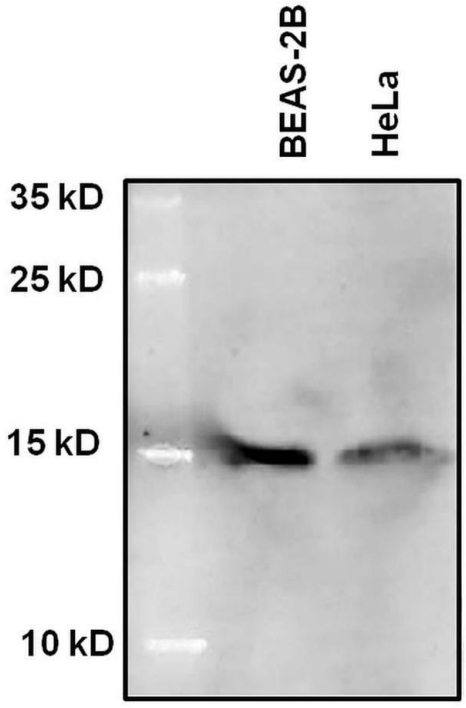
Product Specific Information

Recombinant rabbit polyclonal antibodies are unique offerings from Thermo Fisher Scientific. They are comprised of a selection of multiple different recombinant monoclonal antibodies, providing the best of both worlds - the sensitivity of polyclonal antibodies with the specificity of monoclonal antibodies - all delivered with the consistency only found in a recombinant antibody. While functionally the same as a polyclonal antibody - recognizing multiple epitope sites on the target and producing higher detection sensitivity for low abundance targets - a recombinant rabbit polyclonal antibody has a known mixture of light and heavy chains. The exact population can be produced in every lot, circumventing the biological variability typically associated with polyclonal antibody production.

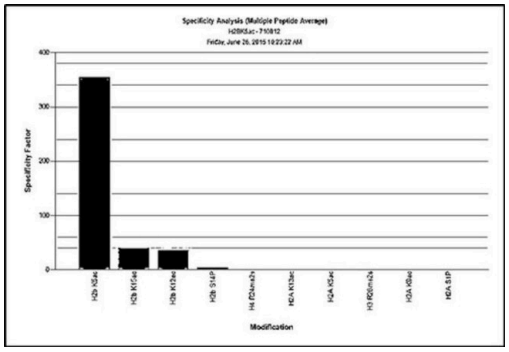
Product Images For H2BK5ac Recombinant Polyclonal Antibody (24HCLC)



H2BK5ac Antibody (710812)
Antibody specificity was demonstrated by detection of enrichment of the target protein at specific gene loci. Chromatin Immunoprecipitation (ChIP) was performed using Histone H2BK5ac Antibody (24HCLC) Recombinant Rabbit Polyclonal (Product # 710812) with relevant positive (c-Fos, IRF1 Exon 2) and negative (SAT2 satellite repeat) target genes/ binding sites. {RE}



H2BK5ac Antibody (710812) in WB
Western blot analysis of Histone H2B Lysine 5 acetylation was performed by loading 40 µg of Nuclear protein extracts from BEAS-2B (lane 1) and HeLa (lane 2) in sample buffer and 5µL Spectra Mµlticolor Broad Range Protein Ladder (Product # 26634) onto a 15% polyacrylamide gel. Proteins were transferred to PVDF membrane (Product # 88518) at 65V for 90 min on ice. Membrane was blocked in 5% Milk in PBST for 1 hour at room temperature. Histone H2B Lysine 5 acetylation was detected at approximately 15 kDa using a Histone H2B Lysine 5 acetylation Recombinant Rabbit Polyclonal Antibody (Product # 710812) at a dilution of 1:1500 in 0.5% Milk in PBST overnight at 4ºC. Followed by Goat anti-Rabbit alkaline phosphatase secondary antibody at a dilution of 1:20,000. Chemiluminescent detection was performed using ECF substrate. Data courtesy of Dr. Fondufe-Mittendorf's lab.



H2BK5ac Antibody (710812)
Antibody specificity for modified targets can be established using peptide arrays by quantifying detection of the target protein along with closely related proteins (belonging to same family). Peptide Array of Histone H2BK5ac using Histone H2BK5ac Antibody (24HCLC) Recombinant Rabbit Polyclonal (Product # 710812): An array of the specific peptide and other relevant peptides when tested using Histone H2BK5ac Antibody (24HCLC), Recombinant Rabbit Polyclonal Antibody (Product # 710812), showed that the H2BK5ac modification was specifically recognized by the antibody. {ARRAY}

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