

Antibody: H3K4me2
Vendor: Abcam
Part number: ab7766
Lot number: 56293
Broad Alias: PchAb 87-V

Test date: unknown
User: Supplied by vendor

Procedure:

Calf Thymus Histone Preparation Nuclear Lysate was fractionated using an SDS/PAGE gel and transferred for immunoblotting. The immunoblot was cut into strips and exposed to the test antibody in the presence of the indicated synthetic peptides. Lane 1 simply illustrates the migration of the protein recognized by the antibody, and demonstrates that said protein has an apparent molecular weight consistent with the antibody recognizing a form of Histone H3. This serves as a **primary validation** of the antibody.

In addition, lanes 2 – 7 were prepared by hybridizing the immunoblot in the presence of a competing synthetic peptide. Only the peptide used in Lane 3 (H3K4me2) demonstrated inhibition of binding, consistent with the intended specificity of this antibody.

Primary ab concentration: 1 ug / ml

Secondary antibody: Goat anti-rabbit IgG ab6721 at 1:5000

Secondary ab: Goat anti-rabbit IgG ab6721 (1/5000)

Exposure time: 10 seconds

Project 455 PAS 2627 Bleed 5

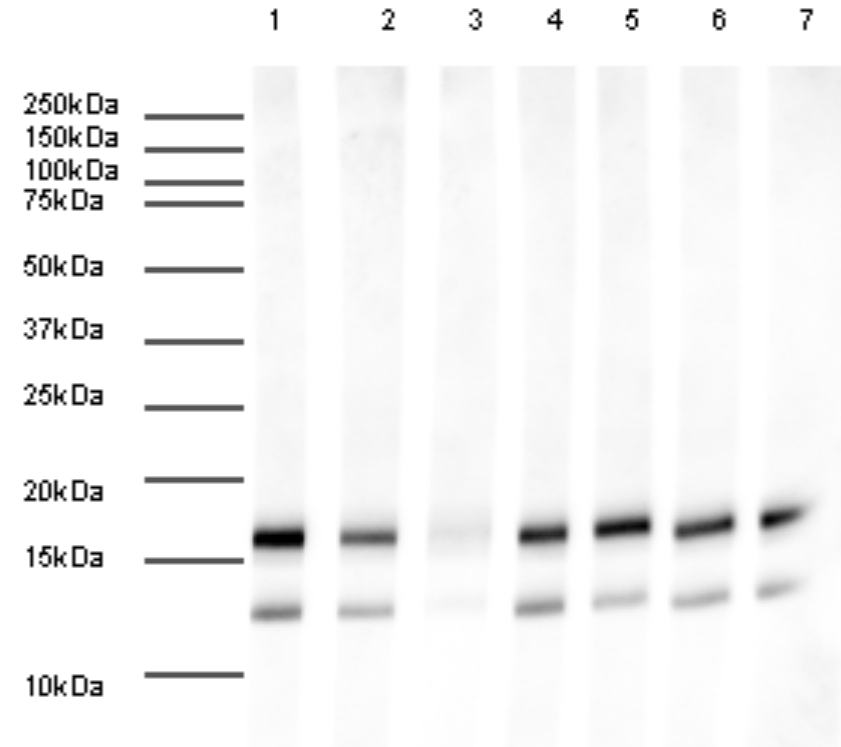
Protein conc. = 0.5mg/ml

Expected molecular weight = 14-20

24.10.05

CG

Abcam AP Number: 56293



Lanes 1 to 7 (Histone (ab121) 0.5µg/lane)

Lane 1: ab7766 (Histone H3 di methyl K4) 1µg/ml

Lane 2: ab7766 (Histone H3 di methyl K4) 1µg/ml + ab1340 (ab8895) (Histone H3 mono methyl K4) peptide 1µg/ml

Lane 3: ab7766 (Histone H3 di methyl K4) 1µg/ml + ab7768 (ab7766) (Histone H3 di methyl K4) peptide 1µg/ml

Lane 4: ab7766 (Histone H3 di methyl K4) 1µg/ml + ab1342 (ab8580) (Histone H3 tri methyl K4) peptide 1µg/ml

Lane 5: ab7766 (Histone H3 di methyl K4) 1µg/ml + ab1772 (Histone H3 di methyl K9) peptide 1µg/ml

Lane 6: ab7766 (Histone H3 di methyl K4) 1µg/ml + ab1781 (ab7312) (Histone H3 di methyl K27) peptide 1µg/ml

Lane 7: ab7766 (Histone H3 di methyl K4) 1µg/ml + ab2903 (Histone H3 non-modified) peptide 1µg/ml