

Antibody: H4K20me
Vendor: Abcam
Part number: ab9051
Lot number: 519198
Broad Alias: PchAb 129-V

Test date: July 2008
User: Supplied by vendor

Procedure:

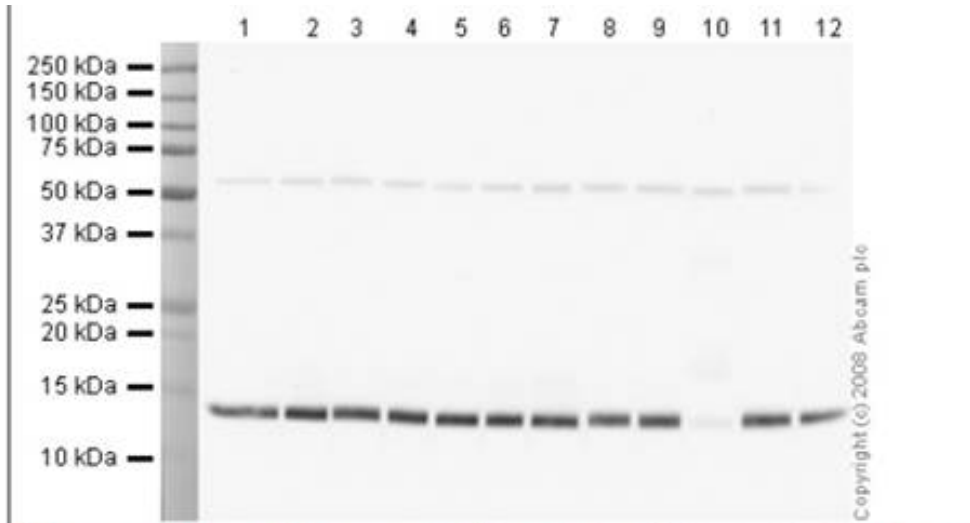
Calf Thymus Histone Preparation Nuclear Lysate was fractionated using an SDS/PAGE gel and transferred for immunoblotting. The immunoblot was cut into strips and exposed to the test antibody in the presence of the indicated synthetic peptides. Lane 1 simply illustrates the migration of the protein recognized 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 – 12 were prepared by hybridizing the immunoblot in the presence of a competing synthetic peptide. Only the peptide used in Lane 10 (H4K20me) demonstrated inhibition of binding, consistent with the intended specificity of this antibody.

Primary ab concentration: 0.5 ug / ml

Secondary antibody: Goat anti-rabbit IgG ab65484 at 1:3000

Abcam 9051 lot 519198 (AP479356), Passed July 2008.



All lanes : Anti-Histone H4 (mono methyl K20) antibody - ChIP Grade (ab9051) at 1 µg/ml

- Lane 1 : Calf Thymus Histone Preparation Nuclear Lysate (ab121)
- Lane 2 : Calf Thymus Histone Preparation Nuclear Lysate (ab121) with [Human Histone H4 peptide \(ab14963\)](#) at 0.5 µg/ml
- Lane 3 : Calf Thymus Histone Preparation Nuclear Lysate (ab121) with [Human Histone H3 \(mono methyl K4\) peptide \(ab1340\)](#) at 0.5 µg/ml
- Lane 4 : Calf Thymus Histone Preparation Nuclear Lysate (ab121) with [Human Histone H3 \(di methyl K4\) peptide \(ab7768\)](#) at 0.5 µg/ml
- Lane 5 : Calf Thymus Histone Preparation Nuclear Lysate (ab121) with [Human Histone H3 \(tri methyl K4\) peptide \(ab1342\)](#) at 0.5 µg/ml
- Lane 6 : Calf Thymus Histone Preparation Nuclear Lysate (ab121) with [Human Histone H3 \(mono methyl K9\) peptide \(ab1771\)](#) at 0.5 µg/ml
- Lane 7 : Calf Thymus Histone Preparation Nuclear Lysate (ab121) with [Human Histone H3 \(di methyl K9\) peptide \(ab1772\)](#) at 0.5 µg/ml
- Lane 8 : Calf Thymus Histone Preparation Nuclear Lysate (ab121) with [Human Histone H3 \(tri methyl K9\) peptide \(ab1773\)](#) at 0.5 µg/ml
- Lane 9 : Calf Thymus Histone Preparation Nuclear Lysate (ab121) with [Human Histone H3 \(tri methyl K27\) peptide \(ab1782\)](#) at 0.5 µg/ml
- Lane 10 : Calf Thymus Histone Preparation Nuclear Lysate (ab121) with [Human Histone H4 \(mono methyl K20\) peptide \(ab17043\)](#) at 0.5 µg/ml
- Lane 11 : Calf Thymus Histone Preparation Nuclear Lysate (ab121) with [S. cerevisiae Histone H4 \(di methyl K20\) peptide \(ab26213\)](#) at 0.5 µg/ml
- Lane 12 : Calf Thymus Histone Preparation Nuclear Lysate (ab121) with [Human Histone H4 \(tri methyl K20\) peptide \(ab17567\)](#) at 0.5 µg/ml

Lysates/proteins at 0.5 µg per lane.

Secondary

Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) (ab65484) at 1/3000 dilution

Performed under reducing conditions.