

**Antibody: H3K4me1**  
**Vendor: Abcam**  
**Part number: ab8895**  
**Lot number: 151302**  
**Broad Alias: PchAb 82-V**

**Test date:** May 2007  
**User:** Supplied by vendor

**Procedure:**

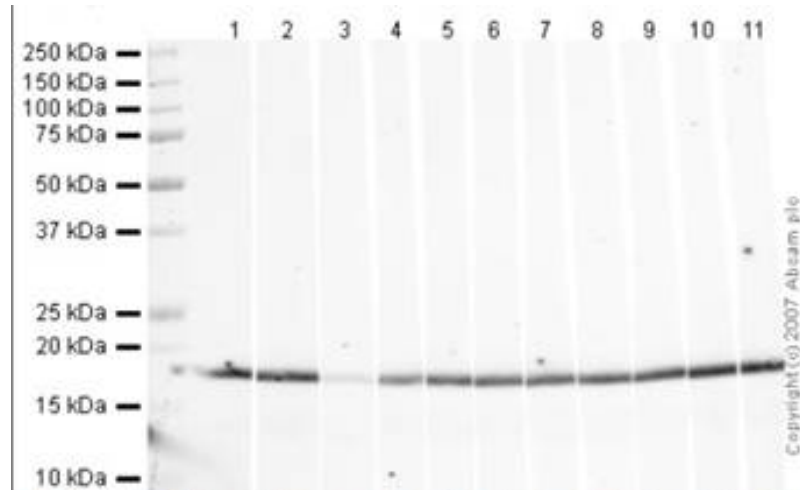
Calf Thymus Histone Preparation Nuclear Lysate was fractionated using an SDS/PAGE gel and transferred for immunoblotting. The immunoblot was cut into strips and exposed to the test antibody in the presence of the indicated synthetic peptides. Lane 1 simply illustrates the migration of the protein recognized 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 – 11 were prepared by hybridizing the immunoblot in the presence of a competing synthetic peptide. Only the peptide used in Lane 3 (H3K4me1) demonstrated inhibition of binding, consistent with the intended specificity of this antibody.

**Primary ab concentration:** 1 ug / ml

**Secondary antibody:** Rabbit IgG ab28446 at 1:10,000

Abcam 8895 lot 151302 (AP151302), Passed May 2007



All lanes : Anti-Histone H3 (mono methyl K4) antibody - ChIP Grade (ab8895) 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 H3 \(unmodified \) peptide \(ab7228\)](#) 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 \(mono methyl K27\) peptide \(ab1780\)](#) at 0.5 µg/ml  
Lane 10 : Calf Thymus Histone Preparation Nuclear Lysate (ab121) with [Human Histone H3 \(di methyl K27\) peptide \(ab1781\)](#) at 0.5 µg/ml  
Lane 11 : Calf Thymus Histone Preparation Nuclear Lysate (ab121) with [Human Histone H3 \(tri methyl K27\) peptide \(ab1782\)](#) at 0.5 µg/ml

Lysates/proteins at 0.5 µg per lane.

**Secondary**

Rabbit IgG secondary antibody (ab28446) at 1/10000 dilution

Performed under reducing conditions.

Predicted band size : 15 kDa