

**Antibody: H3K4me1**  
**Vendor: Abcam**  
**Part number: ab8895**  
**Lot number: 383111**  
**Broad Alias: PchAb 85-V**

**Test date:** September 2006  
**User:** Supplied by vendor

**Procedure:**

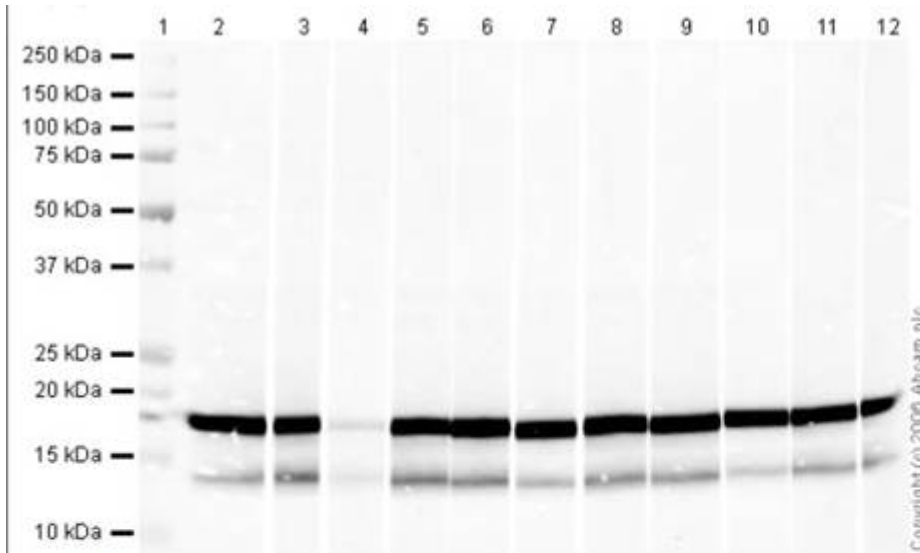
Calf Thymus Histone Preparation Nuclear Lysate was fractionated using an SDS/PAGE gel and transferred for immunoblotting. The immunoblot was cut into strips and exposed to the test antibody in the presence of the indicated synthetic peptides. Lane 2 simply illustrates the migration of the protein recognized 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 3 – 12 were prepared by hybridizing the immunoblot in the presence of a competing synthetic peptide. Only the peptide used in Lane 4 (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 1:5000

Abcam 8895 lot 383111 (AP70985), Passed September 2006.



**Lane 1 :** Marker  
**Lanes 2 - 12 :** Anti-Histone H3 (mono methyl K4) antibody - ChIP Grade (ab8895) at 1 µg/ml

**Lane 1 :** As above  
**Lane 2 :** Calf Thymus Histone Preparation Nuclear Lysate (ab121) at 0.5 µg  
**Lane 3 :** Calf Thymus Histone Preparation Nuclear Lysate (ab121) at 0.5 µg with [Human Histone H3 \(unmodified \) peptide \(ab7228\)](#) at 1 µg/ml  
**Lane 4 :** Calf Thymus Histone Preparation Nuclear Lysate (ab121) at 0.5 µg with [Human Histone H3 \(mono methyl K4\) peptide \(ab1340\)](#) at 1 µg/ml  
**Lane 5 :** Calf Thymus Histone Preparation Nuclear Lysate (ab121) at 0.5 µg with [Human Histone H3 \(di methyl K4\) peptide \(ab7768\)](#) at 1 µg/ml  
**Lane 6 :** Calf Thymus Histone Preparation Nuclear Lysate (ab121) at 0.5 µg with [Human Histone H3 \(tri methyl K4\) peptide \(ab1342\)](#) at 1 µg/ml  
**Lane 7 :** Calf Thymus Histone Preparation Nuclear Lysate (ab121) at 0.5 µg with [Human Histone H3 \(mono methyl K9\) peptide \(ab1771\)](#) at 1 µg/ml  
**Lane 8 :** Calf Thymus Histone Preparation Nuclear Lysate (ab121) at 0.5 µg with [Human Histone H3 \(di methyl K9\) peptide \(ab1772\)](#) at 1 µg/ml  
**Lane 9 :** Calf Thymus Histone Preparation Nuclear Lysate (ab121) at 0.5 µg with [Human Histone H3 \(tri methyl K9\) peptide \(ab1773\)](#) at 1 µg/ml  
**Lane 10 :** Calf Thymus Histone Preparation Nuclear Lysate (ab121) at 0.5 µg with [Human Histone H3 \(mono methyl K27\) peptide \(ab1780\)](#) at 1 µg/ml  
**Lane 11 :** Calf Thymus Histone Preparation Nuclear Lysate (ab121) at 0.5 µg with [Human Histone H3 \(di methyl K27\) peptide \(ab1781\)](#) at 1 µg/ml  
**Lane 12 :** Calf Thymus Histone Preparation Nuclear Lysate (ab121) at 0.5 µg with [Human Histone H3 \(tri methyl K27\) peptide \(ab1782\)](#) at 1 µg/ml

**Secondary**  
**Lanes 2 - 12 :** Rabbit IgG secondary antibody (ab28446) at 1/5000 dilution

Performed under reducing conditions.

**Predicted band size :** 15 kDa