

**Antibody: H3K9me3**  
**Vendor: Abcam**  
**Part number: ab8898**  
**Lot number: 484088**  
**Broad Alias: PchAb 122-V**

**Test date:** May 2008  
**User:** Supplied by vendor

**Procedure:**

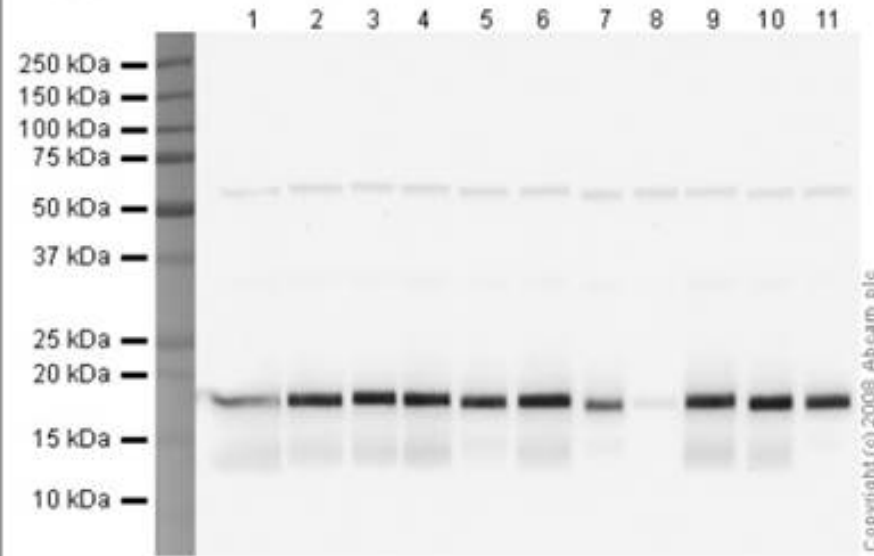
Calf Thymus Histone Preparation Nuclear Lysate was fractionated using an SDS/PAGE gel and transferred for immunoblotting. The immunoblot was cut into strips and exposed to the test antibody in the presence of the indicated synthetic peptides. Lane 1 simply illustrates the migration of the protein recognized 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 – 11 were prepared by hybridizing the immunoblot in the presence of a competing synthetic peptide. Only the peptide used in Lane 8 (H3K9me3) 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 8898 lot 484088 (AP465044), Passed May 2008.



**All lanes :** Anti-Histone H3 (tri methyl K9) antibody - ChIP Grade (ab8898) 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**

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

Performed under reducing conditions.

**Predicted band size :** 15.4 kDa