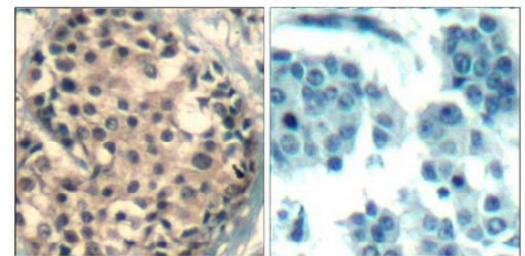


**AP08035PU-N****Polyclonal Antibody to HDAC4/HDAC5/HDAC9 pSer246/259/220 - Aff - Purified**

- Alternate names:** HDAC-4, HDAC-5, HDAC-9, Histone Deacetylase
- Quantity:** 0.1 mg
- Host:** Rabbit
- Immunogen:** The antiserum was produced against synthesized phosphopeptide derived from human HDAC4/HDAC5/HDAC9 around the phosphorylation site of Serine 246/259/220 (T-A-SP-EP).
- Format:** **State:** Liquid purified Ig fraction.  
**Purification:** Immunoaffinity Chromatography: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.  
**Buffer System:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% Glycerol.
- Applications:** Western Blot (1/500-1/1000).  
Immunohistochemistry (1/50-1/100).  
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
- Specificity:** HDAC4/HDAC5/HDAC9 (Phospho-Ser246/259/220) Antibody detects endogenous levels of HDAC4/HDAC5/HDAC9 only when phosphorylated at Serine 246/259/220.  
**Species:** Human and Mouse.  
Other species not tested.
- Storage:** Store the antibody (in aliquots) at -20°C.  
Avoid repeated freezing and thawing.  
Shelf life: One year from despatch.
- General Readings:**
1. Cress, W.D. and Seto, E. (2000) J Cell Physiol 184, 1-16.
  2. Vigushin, D.M. and Coombes, R.C. (2004) Curr. Cancer Drug Targets 4, 205-218.
  3. Marmorstein, R. (2001) Cell Mol Life Sci 58, 693-703.
  4. Thiagalingam, S. et al. (2003) Ann. N.Y. Acad. Sci. 983, 84-100.
- Pictures:** **Figure 1.** Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using HDAC4/HDAC5/HDAC9 (phospho-Ser246/259/220) Antibody AP08035PU.



P-Peptide

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**Figure 2.** Western blot analysis of extracts from 3T3 cell using HDAC4/HDAC5/HDAC9 Antibody AP08090PU (Lane 1 and 2) and HDAC4/HDAC5/HDAC9 (phospho-Ser246/259/220) Antibody AP08035PU (Lane 3 and 4).

