# HDAC-5 antibody (pAb)

## Rabbit Anti-Human/Mouse/Rat Histone Deacetylase 5

PromoKine

## Instruction Manual

| | |
|---|---|
| **Catalog Number** | PK-AB577-3605 |
| **Description** | Human HDAC-5 is composed of 1122 amino acid residues. The deacetylase domain of HDAC-5 is located at the C-terminal half of the molecule. The N-terminal non-deacetylase domain does not show any significant homology with any published sequence. Both domains are required for HDAC-5-mediated repression of gene transcription. HDAC-5 interacts with a growing number of transcriptional factors including MEF2A as well as other HDAC proteins. The interacting complexes bind to specific regions of chromatin and regulate gene transcription in these regions. |
| **Quantity** | 100 µg |
| **Source / Host** | Rabbit |
| **Immunogen** | Synthetic peptide surrounding amino acid 575 of human HDAC-5 (Internal ID BV-78). |
| **Clone / IgG Subtype** | Polyclonal antibody |
| **Species Reactivity** | Human, Mouse, Rat |
| **Specificity** | The antibody detects ~124 kDa histone deacetylase 5. It does not cross-react with other HDAC proteins including HDAC-1, 2, 3, 4, 6, 7, 8, 9,10, and 11. |
| **Formulation** | 100 µg (0.5 mg/ml) affinity purified rabbit anti-HDAC-5 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal. |
| **Reconstitution** | Can be diluted in other aqueous buffers at the concentrations determined for the respective application. |
| **Storage & Stability** | Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/defrost cycles. |
| **Applications** | The antibody can be used for Western blotting (0.5-4 µg/ml). Based on researchers feedback, the antibody also works well in Immunoprecipitation (20 µg/ml), and Immunohistochemistry (20 µg/ml). However, the optimal conditions should be determined individually. Blocking peptide (Cat.# PK-AB577-3605P) is available separately. |



PromoCell GmbH
Sickingenstr. 63/65
69126 Heidelberg
Germany

North America 1 – 866 – 251 – 2860 (toll free)
Deutschland 0800 – 776 66 23 (gebührenfrei)
France 0800 90 93 32 (ligne verte)
United Kingdom 0800 – 96 03 33 (toll free)
Other Countries +49 6221 – 649 34 0

Email: info@promokine.info
www.promokine.info

12/2015