# ARG20182
# anti-HDAC5 antibody

Package: 50 µg, 25 µg
Store at: -20°C

## Summary

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|---|---|
| Product Description | Rabbit Polyclonal antibody recognizes HDAC5 |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | IHC-P, IP, WB |
| Specificity | The antibody detects ~124 kDa HDAC5 with human and mouse samples, and in a lesser extent with rat samples. It does not cross-react with other HDAC proteins including HDAC1, 2, 3, 4, 6, 7, 8, 9,10, and 11. |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | HDAC5 |
| Species | Human |
| Immunogen | Synthetic peptide surrounding amino acid 575 of human HDAC-5 |
| Conjugation | Un-conjugated |
| Alternate Names | HD5; EC 3.5.1.98; Histone deacetylase 5; Antigen NY-CO-9; NY-CO-9 |

## Application Instructions

Application table

| Application | Dilution |
|---|---|
| IHC-P | 20 µg/ml |
| IP | 20 µg/ml |
| WB | 0.5-4 µg/ml |

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

## Properties

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| Form | Liquid |
| Purification | Affinity Purified Antibody |
| Buffer | PBS (pH 7.2), 30% Glycerol, 0.5% BSA and 0.01% Thimerosal |
| Preservative | 0.01% Thimerosal |
| Stabilizer | 30% Glycerol, 0.5% BSA |
| Concentration | 0.5 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

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|---|---|
| Note | For laboratory research only, not for drug, diagnostic or other use. |

## Bioinformation

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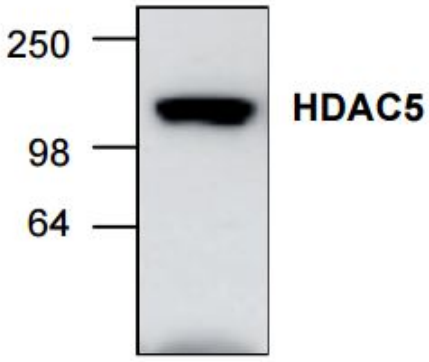
| Database links | GeneID: 10014 Human<br><br>Swiss-port # Q9UQL6 Human |
| Gene Symbol | HDAC5 |
| Gene Full Name | histone deacetylase 5 |
| Background | Human HDAC5 is composed of 1122 amino acid residues. The deacetylase domain of HDAC5 is located at the C-terminal half of the molecule. The N-terminal non-deacetylase domain does not show any significant homology with any published sequence. Both domains are required for HDAC5-mediated repression of gene transcription. HDAC5 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. |
| Calculated Mw | 122 kDa |

## Images




ARG20182 anti-HDAC5 antibody WB image

Western Blot: Jurkat cell lysate stained with anti-HDAC5 antibody (ARG20182).

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