

Rabbit anti-human HDAC5 Polyclonal Antibody

Catalog Number: R16057P

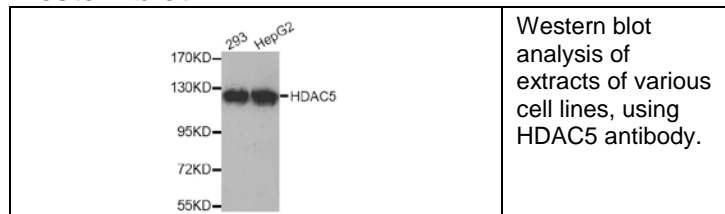
| General Information | |
|---|---|
| Immunogen | A synthetic peptide of human HDAC5 |
| IgG type | IgG |
| Clonality | Polyclonal |
| Specificity | human HDAC5 |
| Applications & dilution | WB 1:500 - 1:1000 IHC 1:50 - 1:100 |
| Formulation | PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |
| Purity | ≥95% purity by SDS-PAGE |
| Storage | Store at -20°C. Avoid freeze / thaw cycles. |
| Abbreviation: ELISA: Enzyme-linked immunosorbent assay; ITA: immunoturbidimetric assay; IP: immunoprecipitation; IHC: immunohistochemistry; IF: immunofluorescence. WB: western blot; FC: flowcytometry | |

Preparation

Polyclonal antibody is produced by immunizing rabbit with a synthetic peptide of human HDAC5 and purified using protein A resin.

Applications

Western blot



Background

Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to the class II histone deacetylase/acuc/apha family. It possesses histone deacetylase activity and represses transcription when tethered to a promoter. It coimmunoprecipitates only with HDAC3 family member and might form multicomplex proteins. It also interacts with myocyte enhancer factor-2 (MEF2) proteins, resulting in repression of MEF2-dependent genes. This gene is thought to be associated with colon cancer. Two transcript variants encoding different isoforms have been found for this gene.

For research use only

Storage

This antibody is shipped at 4 °C. This product is stable for 12 months from date of receipt when stored at -20 °C to -70 °C. Avoid freeze/thaw cycles.

Hazard/Biohazard

This antibody contains 0.02% sodium azide as preservative. Please handle and dispose the product properly. No known biohazard is associated with this product.