

Product datasheet for **CF502083**

HDAC6 Mouse Monoclonal Antibody [Clone ID: OTI3G7]

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI3G7 |
| Applications: | FC, IF, WB |
| Recommended Dilution: | WB 1:500~2000, IF 1:100, FLOW 1:100 |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human HDAC6 (NP_006035) produced in HEK293T cell. |
| Formulation: | Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose) |
| Reconstitution Method: | For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific) |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 131.2 kDa |
| Gene Name: | histone deacetylase 6 |
| Database Link: | NP_006035 Entrez Gene 10013 Human Q9UBN7 |



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Background:

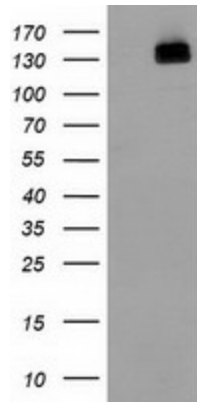
Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to class II of the histone deacetylase/acuc/apha family. It contains an internal duplication of two catalytic domains which appear to function independently of each other. This protein possesses histone deacetylase activity and represses transcription. [provided by RefSeq]

Synonyms:

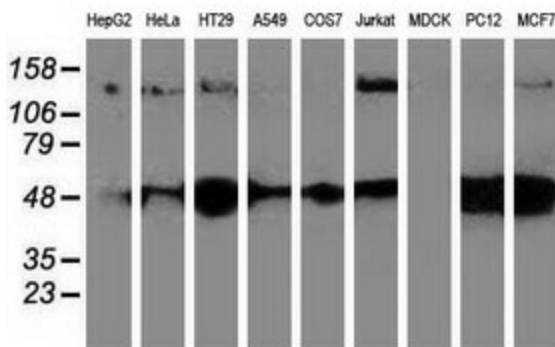
CPBHM; HD6; JM21; PPP1R90

Protein Families:

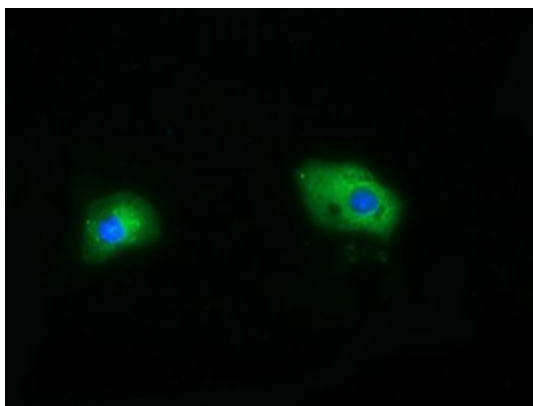
Druggable Genome, Transcription Factors

Product images:


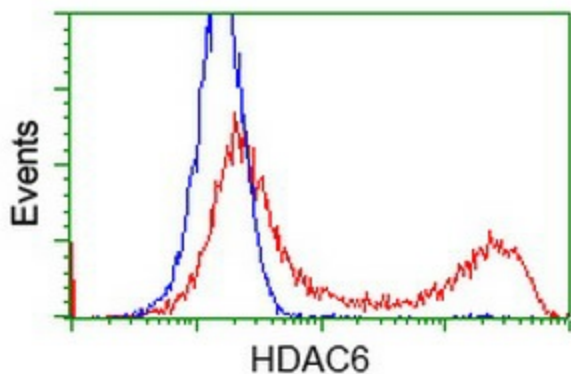
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HDAC6 ([RC209649], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HDAC6. Positive lysates [LY401822] (100ug) and [LC401822] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-HDAC6 monoclonal antibody.



Anti-HDAC6 mouse monoclonal antibody ([TA502083]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY HDAC6 ([RC209649]).



HEK293T cells transfected with either [RC209649] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-HDAC6 antibody ([TA502083]), and then analyzed by flow cytometry.