

# KD-Validated Anti-Histone deacetylase 8 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

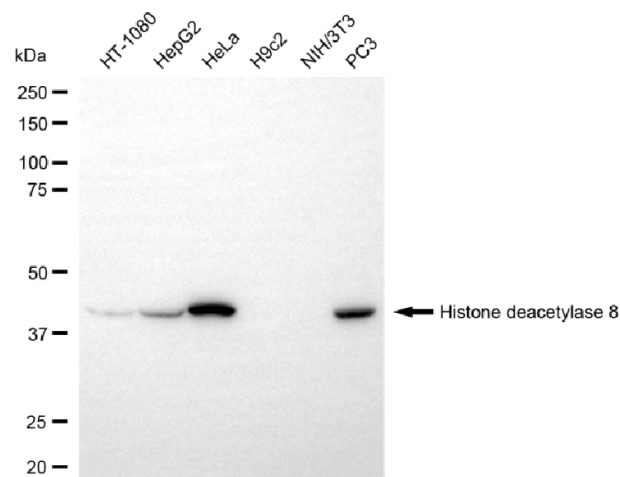
ABG1211

## Product Overview

|                             |                                                                                                             |
|-----------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Name</b>                 | KD-Validated Anti-Histone deacetylase 8 Rabbit Monoclonal Antibody                                          |
| <b>Accession(Primary)</b>   | Q9BY41                                                                                                      |
| <b>Host Species</b>         | Rabbit                                                                                                      |
| <b>Clonality</b>            | Monoclonal                                                                                                  |
| <b>Isotype</b>              | Rabbit IgG                                                                                                  |
| <b>Immunogen</b>            | A synthesized peptide derived from human PKM2                                                               |
| <b>Species Reactivity</b>   | Human                                                                                                       |
| <b>Calculated MW</b>        | Predicted, 42 kDa; observed, 42 kDa                                                                         |
| <b>Storage Buffer</b>       | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.                                   |
| <b>Recommended Dilution</b> | Western blotting (WB): 1:4,000-1:20,000Flow Cytometry (FCM): 1:2,000Immunocytochemistry (IC): 1:100-1:1,000 |

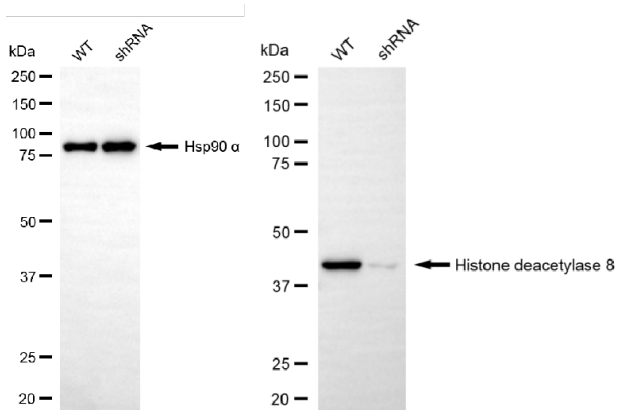
## Target information (Q9BY41)

|                          |                                                                                                                                                                                                                                                                                                  |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | HDAC8                                                                                                                                                                                                                                                                                            |
| <b>About Gene Symbol</b> | HDAC8 (Histone Deacetylase 8) is a histone deacetylase involved in chromatin remodeling and epigenetics. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets. |



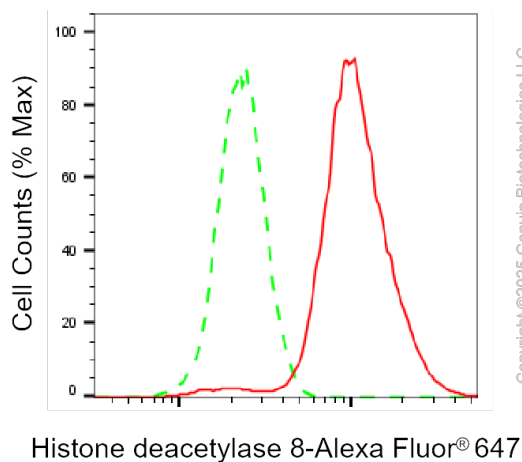
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Western blotting analysis using anti-histone deacetylase 8 antibody (Cat#ABG1211). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-histone deacetylase 8 antibody (Cat#ABG1211, 1:20,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



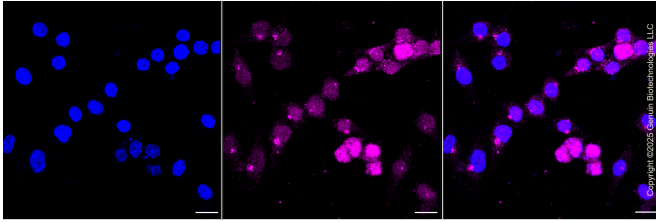
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Western blotting analysis using anti-histone deacetylase 8 antibody (Cat#ABG1211). Histone deacetylase 8 expression in wild-type (WT) and histone deacetylase 8 (HDAC8) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-histone deacetylase 8 antibody (Cat#ABG1211, 1:20,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of Histone deacetylase 8 expression in HeLa cells using Histone deacetylase 8 antibody (Cat#ABG1211, 1:2,000). Green, isotype control; red, Histone deacetylase 8.



Immunocytochemical staining of HeLa cells with anti-Histone deacetylase 8 antibody (Cat#ABG1211, 1:1,000). Nuclei were stained blue with DAPI; Histone deacetylase 8 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20  $\mu$ m.