

KD-Validated Anti-Chromodomain helicase DNA binding protein 3 Rabbit Monoclonal Antibody**Rabbit monoclonal antibody**
Catalog # AGI2307**Specification**

KD-Validated Anti-Chromodomain helicase DNA binding protein 3 Rabbit Monoclonal Antibody - Product Information

Application	WB, FC, ICC
Primary Accession	Q12873
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 226 kDa , observed, 260 kDa kDa
Gene Name	CHD3
Aliases	CHD3; Chromodomain Helicase DNA Binding Protein 3; ZFH; Chromodomain-Helicase-DNA-Binding Protein 3; Mi-2 Autoantigen 240 kDa Protein; ATP-Dependent Helicase CHD3; Zinc Finger Helicase; Mi2-ALPHA; Mi-2a; CHD-3; HZFH; Zinc-Finger Helicase (Snf2-Like); EC 3.6.4.12; MI2-ALPHA; Mi2-Alpha; EC 3.6.1; SNIBCPS; MI-2A A synthesized peptide derived from human CHD3
Immunogen	

KD-Validated Anti-Chromodomain helicase DNA binding protein 3 Rabbit Monoclonal Antibody - Additional InformationGene ID **1107****Other Names**

Chromodomain-helicase-DNA-binding protein 3, CHD-3, 3.6.4.12, ATP-dependent helicase CHD3, Mi-2 autoantigen 240 kDa protein, Mi2-alpha, Zinc finger helicase, hZFH, CHD3

KD-Validated Anti-Chromodomain helicase DNA binding protein 3 Rabbit Monoclonal Antibody - Protein Information**Name** CHD3**Function**

ATP-dependent chromatin-remodeling factor that binds and distorts nucleosomal DNA (PubMed: 28977666). Acts as a component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin (PubMed: 16428440, PubMed: 28977666, PubMed: 30397230).

target="_blank">30397230, PubMed:9804427). Involved in transcriptional repression as part of the NuRD complex (PubMed:27068747). Required for anchoring centrosomal pericentrin in both interphase and mitosis, for spindle organization and centrosome integrity (PubMed:17626165).

Cellular Location

Nucleus, PML body. Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome
Note=Associates with centrosomes in interphase and mitosis (PubMed:17626165). Localizes to sites of DNA damage (PubMed:28977666)

Tissue Location

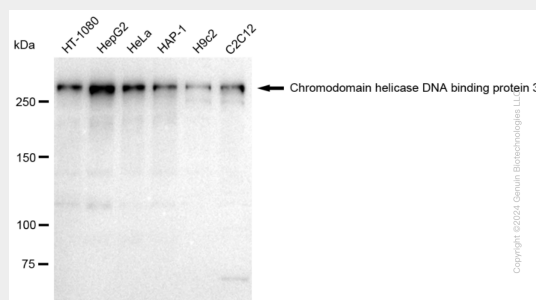
Widely expressed.

KD-Validated Anti-Chromodomain helicase DNA binding protein 3 Rabbit Monoclonal Antibody - Protocols

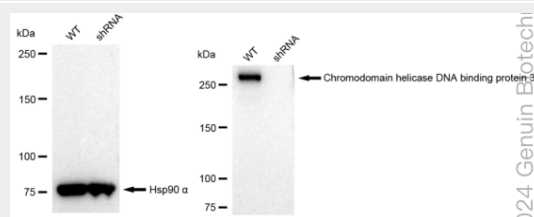
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

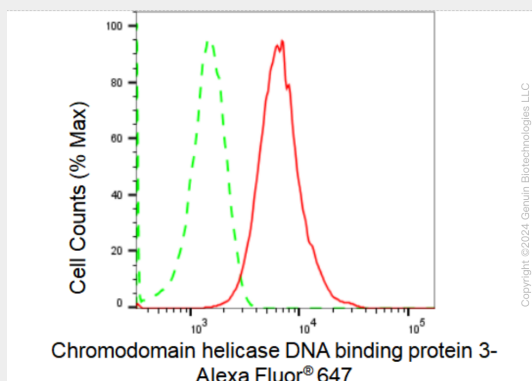
KD-Validated Anti-Chromodomain helicase DNA binding protein 3 Rabbit Monoclonal Antibody - Images



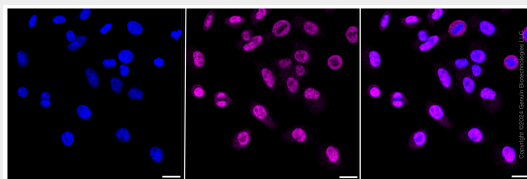
Western blotting analysis using anti-Chromodomain helicase DNA binding protein 3 antibody (Cat#AGI2307). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Chromodomain helicase DNA binding protein 3 antibody (Cat#AGI2307, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Chromodomain helicase DNA binding protein 3 antibody (Cat#AGI2307). Chromodomain helicase DNA binding protein 3 expression in wild type (WT) and chromodomain helicase DNA binding protein 3 shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-Chromodomain helicase DNA binding protein 3 antibody (Cat#AGI2307, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of Chromodomain helicase DNA binding protein 3 expression in HepG2 cells using Chromodomain helicase DNA binding protein 3 antibody (Cat#AGI2307, 1:2,000). Green, isotype control; red, Chromodomain helicase DNA binding protein 3.



Immunocytochemical staining of HepG2 cells with Chromodomain helicase DNA binding protein 3 antibody (Cat#AGI2307, 1:1,000). Nuclei were stained blue with DAPI; Chromodomain helicase DNA binding protein 3 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 μ m.