

## Monoclonal Antibody to CHD5 - Purified

<b>Alternate names:</b>	Chd5 protein, Chromodomain helicase DNA-binding protein 5
<b>Catalog No.:</b>	AM50404PU-N
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	lot-specific
<b>Background:</b>	Chromodomain helicase DNA-binding protein 5 (CHD5) is a novel ATP-dependent chromatin remodeling factor. In normal cells CHD5 plays a role in apoptosis, cell proliferation, and aging, through modulation of the p19(Arf)/p53 pathway. However, CHD5 is downregulated in various cancer cell lines, possibly due to hypermethylation of the CHD5 promoter and miRNA-211 activity, indicating that it may also play a critical role as a tumor suppressor.
<b>Uniprot ID:</b>	<a href="#">Q4Q0N1</a>
<b>NCBI:</b>	<a href="#">10090</a>
<b>Host / Isotype:</b>	Rat / IgG2a
<b>Recommended Isotype Controls:</b>	SM15P, SM15PX
<b>Clone:</b>	5A10
<b>Immunogen:</b>	KLH-conjugated linear peptide corresponding to mouse CHD5.
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction <b>Purification:</b> Protein G Chromatography <b>Buffer System:</b> 0.1 M Tris-Glycine (pH 7.4), 150 mM NaCl with 0.05% sodium azide.
<b>Applications:</b>	<b>Immunohistochemistry:</b> A representative lot from an independent laboratory detected CHD5 in E12.5 mouse gut tissue. (Yoshimura, S., et al. (2010). Hybridoma. 29(1):636-66). <b>Western Blot:</b> A representative lot detected CHD5 in L929, HeLa, Cos1, Y1, MCF7, and C2C12 cells, and in E12.5 mouse tissue lysate. <b>Immunocytochemistry:</b> A representative lot from an independent laboratory detected CHD5 in HeLa and L929 cells (Yoshimura, S., et al. (2010). Hybridoma. 29(1):636-66). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	Demonstrated to react with Human. Predicted to react with Mouse based upon immunogen design.
<b>Storage:</b>	Store undiluted at 2-8°C. Shelf life: one year from despatc

Pictures:

Western Blotting Analysis:  
Representative lot data.  
HeLa cell lysate was probed with Cat. No. AM50404PU-N, Anti-CHD5, clone 5A10 (0.5 µg/mL).  
Proteins were visualized using a Goat Anti-Rat IgG secondary antibody conjugated to HRP and a chemiluminescence detection system.  
Arrow indicates CHD5 (~223 kDa).

