



MONOCLONAL ANTIBODY

For research use only. Not for clinical diagnosis

Catalog No. CEC-039

Anti- CHD1 antibody

BACKGROUND

CHD1 is a subfamily member of the CHD family, which possesses a chromodomain, a helicase domain, and a DNA-binding domain. The CHD family regulates gene expression by contributing to ATP-dependent chromatin remodeling. **CHD1** exists in the transcriptionally active region and alters the chromatin structure.

Product type	Primary antibody
Immunogen	Synthetic peptide corresponding to the C-terminal 12 aa of mouse CHD1, STPEHTWSSRKT
Host	Rat
Clone number	2F11H5
Isotype	IgG2a, κ
Source	Culture supernatant
Purification	Ion-exchange chromatography
Form	Liquid
Presentation	Purified monoclonal antibody in PBS, 50% Glycerol, 0.05%w/v ProClin300
Concentration	1 mg/mL
Volume	100 μ L
Label	Unlabeled
Specificity	CHD1 Epitope mouse CHD1 (1700~1711aa)
Cross reactivity	Human, Mouse Other species have not been tested.
Storage	Store below -20°C (below -70°C for prolonged storage) Aliquot to avoid cycles of freeze/thaw.
Other	-

Application notes

Recommended use

WB, ICC, IHC Not tested for other applications.

Recommended dilutions

Western blotting, 1/1,000 to 1/5,000

Immunocytochemistry, 1/100 to 1/500

Immunohistochemistry, 1/100 to 1/500

Optimal dilutions/concentrations should be determined by the end user.

References

1) Yoshimura et al., Hybridoma (Larchmt). 2010 Jun;29(3):237-40. PMID: [20568999](https://pubmed.ncbi.nlm.nih.gov/20568999/)

* This antibody is used in ref.1.

ANTIBODY CHARACTERIZATION

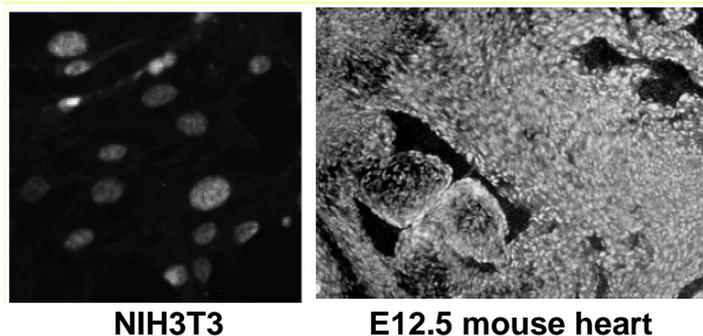


Fig.1 Immunocytochemistry/ Immunofluorescence – CHD1 antibody (2F11H5), NIH3T3 (left) and E12.5 mouse heart (right)

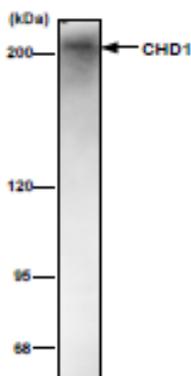


Fig.2 Western blot - CHD1 antibody (2F11H5), NIH3T3 nuclear cell total extracts.

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