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## Datasheet for ABIN6991566 **anti-CHD7 antibody (N-Term)**

### Overview

Quantity:	0.1 mg
Target:	CHD7
Binding Specificity:	AA 670-720, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHD7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

### Product Details

Immunogen:	CHD7 antibody was raised against an 18 amino acid synthetic peptide near the amino terminus of human CHD7. The immunogen is located within amino acids 670 - 720 of CHD7.
Isotype:	IgG
Specificity:	Multiple isoforms of CHD7 are known to exist.
Purification:	CHD7 Antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	CHD7
Alternative Name:	CHD7 ( <a href="#">CHD7 Products</a> )

## Target Details

Background:	CHD7 Antibody: CHD proteins belong to a superfamily of proteins of ATP-dependent chromatin remodeling enzymes that have a unique combination of functional domains, including two N-terminal chromodomains, a SNF2-like ATPase/helicase domain and a DNA-binding domain. These proteins are thought to play a role in early embryonic development by affecting chromatin structure and gene expression. Mutations in one member of this family, CHD7, result in CHARGE syndrome. It colocalizes with embryonic stem (ES) cell master regulators OCT4/POU5F1, SOX2, and NANOG and is thought to modulate ES-specific gene transcription. Together with SOX2, CHD7 has been suggested to also regulate several human disease genes.
Gene ID:	55636
UniProt:	<a href="#">Q9P2D1</a>
Pathways:	<a href="#">Sensory Perception of Sound</a> , <a href="#">Chromatin Binding</a>

## Application Details

Application Notes:	CHD7 antibody can be used for detection of CHD7 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.  Antibody validated: Western Blot in human samples, Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	CHD7 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C
Storage Comment:	CHD7 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should

not be exposed to prolonged high temperatures.