

CHD1L (H-88): sc-98309

BACKGROUND

CHD1L (chromodomain helicase DNA-binding protein 1-like) is an 897 amino acid protein encoded by the human gene CHD1L. The CHD family of proteins are ATP-dependent chromatin remodeling enzymes which combine chromodomains with SWI2/SNF2 ATPase/helicase motifs and DNA-binding capability. Chromodomains are protein regions of approximately 40-50 amino acid residues that are found in proteins associated with chromatin remodeling and manipulation. The domain is highly conserved among both plants and animals and is found in a large variety of proteins from many genomes. CHD1L and CHD1 share most homology within two internal helicase domains.

REFERENCES

1. Stokes, D.G. and Perry, R.P. 1995. DNA-binding and chromatin localization properties of CHD1. *Mol. Cell. Biol.* 15: 2745-2753.
2. Woodage, T., Basrai, M.A. and Baxevanis, A.D. 1997. Characterization of the CHD family of proteins. *Proc. Natl. Acad. Sci. USA* 94: 11472-11477.

CHROMOSOMAL LOCATION

Genetic locus: CHD1L (human) mapping to 1q21.1; Chd1l (mouse) mapping to 3 F2.2.

SOURCE

CHD1L (H-88) is a rabbit polyclonal antibody raised against amino acids 768-855 mapping near the C-terminus of CHD1L of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. Also available as TransCruz reagent for Gel Supershift and ChIP applications, sc-98309 X, 200 µg/0.1 ml.

APPLICATIONS

CHD1L (H-88) is recommended for detection of CHD1L of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

CHD1L (H-88) is also recommended for detection of CHD1L in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for CHD1L siRNA (h): sc-78807, CHD1L siRNA (m): sc-105201, CHD1L shRNA Plasmid (h): sc-78807-SH, CHD1L shRNA Plasmid (m): sc-105201-SH, CHD1L shRNA (h) Lentiviral Particles: sc-78807-V and CHD1L shRNA (m) Lentiviral Particles: sc-105201-V.

CHD1L (H-88) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

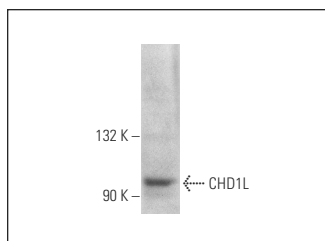
Molecular Weight of CHD1L isoforms: 101/90/78/88 kDa.

Positive Controls: U-937 nuclear extract: sc-2156.

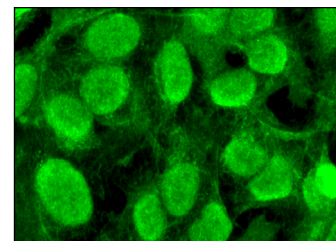
RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



CHD1L (H-88): sc-98309. Western blot analysis of CHD1L expression in U-937 nuclear extract.



CHD1L (H-88): sc-98309. Immunofluorescence staining of formalin-fixed Hep G2 cells showing nuclear localization.

STORAGE

Store at 4° C, **DO NOT FREEZE** Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.


 MONOS
Satisfaction
Guaranteed

Try **CHD1L (2170C3a): sc-81065**, our highly recommended monoclonal alternative to CHD1L (H-88).