

# CHD6 (H-78): sc-98380

## BACKGROUND

CHD6 (chromodomain-helicase-DNA-binding protein 6, radiation-induced gene B protein) is a 2,715 amino acid protein encoded by the human gene CHD6. CHD6 belongs to the Snf2/Rad54 helicase family and contains two chromodomains, one ATP-binding helicase domain and one C-terminal helicase domain. 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 about 40-50 amino acid residues 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.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: CHD6 (human) mapping to 20q12; Chd6 (mouse) mapping to 2 H2.

## SOURCE

CHD6 (H-78) is a rabbit polyclonal antibody raised against amino acids 243-320 mapping near the N-terminus of CHD6 of human origin.

## PRODUCT

Each vial contains 200  $\mu$ g 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-98380 X, 200  $\mu$ g/0.1 ml.

## APPLICATIONS

CHD6 (H-78) is recommended for detection of CHD6 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2  $\mu$ g per 100-500  $\mu$ g 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); non cross-reactive with other CHD family members.

CHD6 (H-78) is also recommended for detection of CHD6 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for CHD6 siRNA (h): sc-72883, CHD6 siRNA (m): sc-142321, CHD6 shRNA Plasmid (h): sc-72883-SH, CHD6 shRNA Plasmid (m): sc-142321-SH, CHD6 shRNA (h) Lentiviral Particles: sc-72883-V and CHD6 shRNA (m) Lentiviral Particles: sc-142321-V.

CHD6 (H-78) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of CHD6: 305 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200.

## 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.

## 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.



Try **CHD6 (E-6): sc-393445** or **CHD6 (A-5): sc-393421**, our highly recommended monoclonal alternatives to CHD6 (H-78).