

CHD6 (T-18): sc-85481

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 (T-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of CHD6 of human origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-85481 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-85481 X, 100 μ g/0.1 ml.

APPLICATIONS

CHD6 (T-18) 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), 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 (T-18) 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 (T-18) 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 donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (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) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (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.

PROTOCOLS

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