

ZHX2 (P-20): sc-55443

BACKGROUND

Zinc-fingers and homeobox (ZHX) proteins are transcription factors that interact with the activation domain of the A subunit of nuclear factor-Y (NF-YA). ZHX1-3 are ubiquitously expressed proteins expressed in various tissues. They act as transcriptional repressors and localize to the nucleus. The ZHX proteins contain two Cys(2)-His(2)-type zinc-finger motifs and five homeodomains (HDs). These domains allow the ZHX proteins to form homodimers, but they can also form heterodimers with each other. However, this dimerization is not required for repressor activity. Hypermethylation-mediated silencing of ZHX2 is an epigenetic event involved in hepatocellular carcinoma (HCC).

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZHX2 (human) mapping to 8q24.13; Zhx2 (mouse) mapping to 15 D1.

SOURCE

ZHX2 (P-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ZHX2 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.

Blocking peptide available for competition studies, sc-55443 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ZHX2 (P-20) is recommended for detection of ZHX2 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).

ZHX2 (P-20) is also recommended for detection of ZHX2 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for ZHX2 siRNA (h): sc-63245, ZHX2 siRNA (m): sc-63246, ZHX2 shRNA Plasmid (h): sc-63245-SH, ZHX2 shRNA Plasmid (m): sc-63246-SH, ZHX2 shRNA (h) Lentiviral Particles: sc-63245-V and ZHX2 shRNA (m) Lentiviral Particles: sc-63246-V.

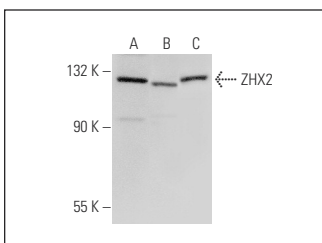
Molecular Weight of ZHX2: 100 kDa.

Positive Controls: HEK293 whole cell lysate: sc-45136, HeLa whole cell lysate: sc-2200 or Hep G2 cell lysate: sc-2227.

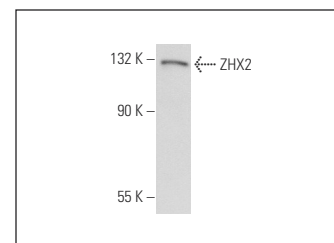
RECOMMENDED SECONDARY REAGENTS

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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.

DATA



ZHX2 (P-20): sc-55443. Western blot analysis of ZHX2 expression in Hep G2 (A), HeLa (B) and ZR-75-1 (C) whole cell lysates.



ZHX2 (P-20): sc-55443. Western blot analysis of ZHX2 expression in HEK293 whole cell lysate.

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.