PHF20 (G-23): sc-133908



The Power to Question

BACKGROUND

Zinc-finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. PHF20 (PHD finger protein 20), also known as NZF, TZP, GLEA2 or HCA58, is a 1,012 amino acid protein that localizes to the nucleus and contains one PHD-type zinc-finger, one C_2H_2 -type zinc-finger and one A. T hook DNA-binding domain. Expressed in a variety of tissues, including liver, heart, lung, pancreas, spleen, testis and placenta, PHF20 is thought to function as a transcription factor, possibly playing a role in carcinogenesis. PHF20 exists as two alternatively spliced isoforms which are encoded by a gene that maps to human chromosome 20.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: PHF20 (human) mapping to 20q11.22.

SOURCE

PHF20 (G-23) is an affinity purified rabbit polyclonal antibody raised against synthetic PHF20 peptide of human origin.

PRODUCT

Each vial contains 50 μg lgG in 500 μl PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

RESEARCH USE

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

APPLICATIONS

PHF20 (G-23) is recommended for detection of PHF20 of 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)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000)

Suitable for use as control antibody for PHF20 siRNA (h): sc-76117, PHF20 shRNA Plasmid (h): sc-76117-SH and PHF20 shRNA (h) Lentiviral Particles: sc-76117-V.

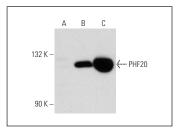
Molecular Weight of PHF20: 115 kDa.

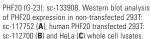
Positive Controls: PHF20 (h): 293T Lysate: sc-112700, Jurkat whole cell lysate: sc-2204 or HeLa whole cell lysate: sc-2200

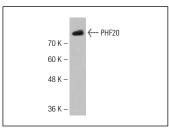
RECOMMENDED SECONDARY REAGENTS

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).

DATA







PHF20 (G-23): sc-133908. Western blot analysis of PHF20 expression in Jurkat 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.

PROTOCOLS

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