

# HTF9 (D-25): sc-133685

## 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. The majority of zinc-finger proteins contain a Krüppel-type DNA binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. HTF9, also known as Zinc finger protein 90, is a 601 amino acid nuclear protein that contains one KRAB domain and fifteen C<sub>2</sub>H<sub>2</sub>-type zinc fingers. Expressed early during embryonic development, it is likely that HTF9 is involved in transcriptional regulation. The gene encoding HTF9 maps to human chromosome 19, which consists of over 63 million bases, houses approximately 1,400 genes and is recognized for having the greatest gene density of the human chromosomes.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: ZNF90 (human) mapping to 19p12.

## SOURCE

HTF9 (D-25) is an affinity purified rabbit polyclonal antibody raised against synthetic HTF9 peptide of human origin.

## PRODUCT

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

## APPLICATIONS

HTF9 (D-25) is recommended for detection of HTF9 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 HTF9 siRNA (h): sc-97778, HTF9 shRNA Plasmid (h): sc-97778-SH and HTF9 shRNA (h) Lentiviral Particles: sc-97778-V.

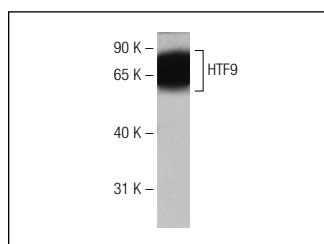
Molecular Weight of HTF9: 69 kDa.

Positive Controls: human fetal heart tissue extract.

## 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<sup>™</sup> compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker<sup>™</sup> 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



HTF9 (D-25): sc-133685. Western blot analysis of HTF9 expression in human fetal heart tissue extract.

## 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](http://www.scbt.com) or our catalog for detailed protocols and support products.