

# ZNF395 (L-20): sc-87523



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. As a member of the Krüppel C<sub>2</sub>H<sub>2</sub>-type zinc-finger protein family, ZNF395 (zinc finger protein 395), also known as PBF (papillomavirus-binding factor) and HDBP2 (Huntington disease gene regulatory region-binding protein 2), is a 513 amino acid protein that contains one C<sub>2</sub>H<sub>2</sub>-type zinc finger. ZNF395 binds to the 3'-CCGG-5' sequence within the papillomavirus promoter adjacent to a RUNX1-binding motif. It has also been established that ZNF395 binds to a seven base pair region within the Huntington's disease (HD) gene promoter, an essential element for HD gene expression. ZNF395 is widely expressed and probably shuttles between the nucleus and cytoplasm.

## REFERENCES

1. Boeckle, S., et al. 2002. A new cellular factor recognizes E2 binding sites of papillomaviruses which mediate transcriptional repression by E2. *Virology* 293: 103-117.
2. Tanaka, K., et al. 2004. Novel nuclear shuttle proteins, HDBP1 and HDBP2, bind to neuronal cell-specific *cis*-regulatory element in the promoter for the human Huntington's disease gene. *J. Biol. Chem.* 279: 7275-7286.

## CHROMOSOMAL LOCATION

Genetic locus: ZNF395 (human) mapping to 8p21.1.

## SOURCE

ZNF395 (L-20) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of ZNF395 of human origin.

## PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-87523 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

ZNF395 (L-20) is recommended for detection of ZNF395 of human and rat 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); non cross-reactive with other ZNF family members.

ZNF395 (L-20) is also recommended for detection of ZNF395 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for ZNF395 siRNA (h): sc-77820, ZNF395 shRNA Plasmid (h): sc-77820-SH and ZNF395 shRNA (h) Lentiviral Particles: sc-77820-V.

Molecular Weight (predicted) of ZNF395: 55 kDa.

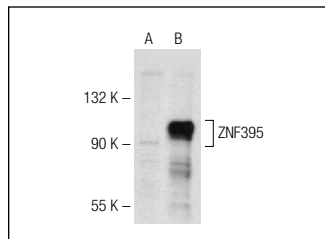
Molecular Weight (observed) of ZNF395: 61 kDa.

Positive Controls: ZNF395 (h): 293T Lysate: sc-369946.

## 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.

## DATA



ZNF395 (L-20): sc-87523. Western blot analysis of ZNF395 expression in non-transfected: sc-117752 (A) and human ZNF395 transfected: sc-369946 (B) 293T whole cell lysates.

## 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.

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Try **ZNF395 (C-1): sc-515519**, our highly recommended monoclonal alternative to ZNF395 (L-20).