

ZNF395 (S-13): sc-87524

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 C₂H₂-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 C₂H₂-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

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CHROMOSOMAL LOCATION

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

SOURCE

ZNF395 (S-13) 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-87524 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ZNF395 (S-13) is recommended for detection of ZNF395 of human and rat 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 ZNF family members.

ZNF395 (S-13) 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: Hep G2 cell lysate: sc-2227.

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) 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.

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.