

Caper (C-17): sc-47823

BACKGROUND

Caper, also known as splicing factor HCC1 or Hepatocellular carcinoma protein 1 and RNA binding region containing protein 2 (RNPC2), acts as a transcriptional coactivator for steroid nuclear receptors JUN/AP-1, ESR1/ER- α and ESR2/ER- β . It is a nuclear protein with highest concentrations in nuclear speckles and plays a role in the pre-mRNA splicing process. Two isoforms of Caper, HCC1.3 and HCC1.4, colocalize with pre-mRNA splicing factor SC35 and uridine-rich small nuclear RNAs. Caper is a widely expressed protein with highest levels detected in skeletal muscle, lung, brain and pancreas.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: RNPC2 (human) mapping to 20q11.22; Rnpc2 (mouse) mapping to 2 H1.

SOURCE

Caper (C-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of Caper of human origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. Also available as TransCruz reagent for Gel Supershift and ChIP applications, sc-47823 X, 200 μ g/0.1 ml.

Blocking peptide available for competition studies, sc-47823 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Caper (C-17) is recommended for detection of Caper isoforms 1 and 2 of mouse, rat and human 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).

Caper (C-17) is also recommended for detection of Caper isoforms 1 and 2 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for Caper siRNA (h): sc-60322, Caper siRNA (m): sc-60323, Caper shRNA Plasmid (h): sc-60322-SH, Caper shRNA Plasmid (m): sc-60323-SH, Caper shRNA (h) Lentiviral Particles: sc-60322-V and Caper shRNA (m) Lentiviral Particles: sc-60323-V.

Caper (C-17) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of Caper: 64 kDa.

Positive Controls: HeLa nuclear extract: sc-2120.

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) 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.

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.


 MONOS
 Satisfation
 Guaranteed

Try **Caper (G-10): sc-376531** or **Caper (P14): sc-101103**, our highly recommended monoclonal alternatives to Caper (C-17).