

CRISP-10 (Q-20): sc-87657

BACKGROUND

Cysteine-rich secretory proteins (CRISPs) represent a family of evolutionarily conserved proteins which may play a role in the innate immune system and are transcriptionally regulated by androgens in several tissues. CRISP proteins are highly expressed in the mammalian reproductive tract and in the venom secretory ducts of some reptiles. CRISP-10 (cysteine-rich secretory protein 10), also known as CocoaCrisp and Trypsin inhibitor HI, is a 500 amino acid protein containing 2 LCCL domains, which are thought to function as autonomous folding domains used to construct modular proteins through exon shuffling. CRISP-10 differs from other CRISP proteins in that it does not contain the 10 conserved cysteine residues or ICR domains that are usually conserved throughout the CRISP family.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: CRISPLD1 (human) mapping to 8q21.11; Crisp1d1 (mouse) mapping to 1 A3.

SOURCE

CRISP-10 (Q-20) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of CRISP-10 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-87657 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

CRISP-10 (Q-20) is recommended for detection of CRISP-10 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); non cross-reactive with other CRISP family members.

CRISP-10 (Q-20) is also recommended for detection of CRISP-10 in additional species, including canine and bovine.

Suitable for use as control antibody for CRISP-10 siRNA (h): sc-77571, CRISP-10 siRNA (m): sc-142574, CRISP-10 shRNA Plasmid (h): sc-77571-SH, CRISP-10 shRNA Plasmid (m): sc-142574-SH, CRISP-10 shRNA (h) Lentiviral Particles: sc-77571-V and CRISP-10 shRNA (m) Lentiviral Particles: sc-142574-V.

Molecular Weight of CRISP-10: 57 kDa.

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.