CRN (A-17): sc-69158



The Power to Question

BACKGROUND

CRN (crooked neck-like protein 1) is a widely-expressed protein encoded by the human gene CRNKL1. CRN belongs to the crooked-neck family, contains 17 HAT repeats and is involved in the pre-mRNA splicing process. CRN is essential for embryogenesis and has also been implicated in cell cycle progression. CRN co-localizes with protein splicing factors into distinct subnuclear domains associated with snRNP biogenesis. CRN binds to splicing complexes simultaneously with the addition of the U4/U6.U5 tri-snRNP particle (non-coding RNA component of the major U2-dependent spliceosome).

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: CRNKL1 (human) mapping to 20p11.23; Crnkl1 (mouse) mapping to 2 G1.

SOURCE

CRN (A-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of CRN of human origin.

PRODUCT

Each vial contains 200 μg IgG in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-69158 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

APPLICATIONS

CRN (A-17) is recommended for detection of CRN of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g 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).

CRN (A-17) is also recommended for detection of CRN in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for CRN siRNA (h): sc-77028, CRN siRNA (m): sc-77029, CRN shRNA Plasmid (h): sc-77028-SH, CRN shRNA Plasmid (m): sc-77029-SH, CRN shRNA (h) Lentiviral Particles: sc-77028-V and CRN shRNA (m) Lentiviral Particles: sc-77029-V.

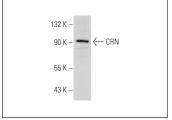
Molecular Weight of CRN: 83 kDa.

Positive Controls: rat testis extract: sc-2400.

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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.

DATA



CRN (A-17): sc-69158. Western blot analysis of CRN expression in rat testis tissue extract.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

MONOS Satisfation Guaranteed

Try **CRN (2212C1a):** sc-81235, our highly recommended monoclonal alternative to CRN (A-17).