

CRIP1 (E-12): sc-131473



The Power to Question

BACKGROUND

The LIM gene family is comprised of over 40 members in vertebrates and invertebrates, which are characterized by the presence of a LIM domain, a unique cysteine-rich zinc-binding domain. Proteins containing LIM domains are often involved in mediating cell differentiation. CRIP1 (Cysteine-rich intestinal protein), also designated Cysteine-rich protein 1 (CRP-1) or Cysteine-rich heart protein (CRHP), contains one LIM domain and is highly expressed in intestine, immune cells, prostate, colon, brain and testis. CRIP1 is thought to play a role in proliferation and differentiation of cells with rapid turnover, such as those found in the intestine and immune system. CRIP1 has also been identified as a novel marker for the early detection of cancers.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: CRIP1 (human) mapping to 14q32.33; Crip1 (mouse) mapping to 12 F1.

SOURCE

CRIP1 (E-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of CRIP1 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-131473 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

CRIP1 (E-12) is recommended for detection of CRIP1 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 family members CRIP2 or CRIP3.

Suitable for use as control antibody for CRIP1 siRNA (h): sc-92384, CRIP1 siRNA (m): sc-142571, CRIP1 shRNA Plasmid (h): sc-92384-SH, CRIP1 shRNA Plasmid (m): sc-142571-SH, CRIP1 shRNA (h) Lentiviral Particles: sc-92384-V and CRIP1 shRNA (m) Lentiviral Particles: sc-142571-V.

Molecular Weight of CRIP1: 9 kDa.

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.