

CRIP3 (T-13): sc-138224

BACKGROUND

CRIP3 (cysteine-rich protein 3), also known as TLP, TLP-A or h6LIMo (chromosome 6 LIM domain only protein), is a 217 amino acid cytoplasmic protein that exists as four alternatively spliced isoforms. Widely expressed, with the exception of skeletal muscle, CRIP3 contains two LIM zinc-binding domains and is encoded by a gene that maps to human chromosome 6p21.1. Chromosome 6 contains 170 million base pairs and comprises nearly 6% of the human genome. Deletion of a portion of the q arm of chromosome 6 is associated with early onset intestinal cancer, suggesting the presence of a cancer susceptibility locus. Additionally, Porphyria cutanea tarda, Parkinson's disease, Stickler syndrome and a susceptibility to bipolar disorder are all associated with genes that map to chromosome 6.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: CRIP3 (human) mapping to 6p21.1; Crip3 (mouse) mapping to 17 C.

STORAGE

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

SOURCE

CRIP3 (T-13) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of CRIP3 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-138224 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

CRIP3 (T-13) is recommended for detection of CRIP3 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:50-1:500), immunofluorescence (starting dilution 1:25, dilution range 1:25-1:250) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with CRIP1 or CRIP2.

Suitable for use as control antibody for CRIP3 siRNA (h): sc-95421, CRIP3 siRNA (m): sc-142573, CRIP3 shRNA Plasmid (h): sc-95421-SH, CRIP3 shRNA Plasmid (m): sc-142573-SH, CRIP3 shRNA (h) Lentiviral Particles: sc-95421-V and CRIP3 shRNA (m) Lentiviral Particles: sc-142573-V.

Molecular Weight of CRIP3 isoforms: 24/23/22/18 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.

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.