SANTA CRUZ BIOTECHNOLOGY, INC.

CRALBPL (N-19): sc-87061

BACKGROUND

CRALBPL (cellular retinaldehyde-binding protein-like), also known as retinaldehyde-binding protein 1-like protein 1, is a 354 amino acid protein that contains a CRAL-TRIO domain, which is typically present in lipid-binding SEC14-like proteins. CRALBPL has 45% sequence similarity to a retina and pineal gland-specific protein, CRALBP (cellular retinaldehyde-binding protein), which is likely involved in the visual process and may be implicated in visual diseases, such as retinitis pigmentosa, Newfoundland rod-cone dystrophy and retinitis punctata albescens. CRALBPL is expressed exclusively in the brain and localizes in the cytoplasm near CRALBP. Due to up-regulation of the gene encoding CRALBPL in human hepatocellular carcinoma (HCC), it is suggested that CRALBPL may be a suitable HCC marker. There are two isoforms of CRALBPL that exist as a result of alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: RLBP1L1 (human) mapping to 8q12.2.

SOURCE

CRALBPL (N-19) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping near the N-terminus of CRALBPL of human origin.

STORAGE

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

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-87061 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

CRALBPL (N-19) is recommended for detection of CRALBPL of 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).

Suitable for use as control antibody for CRALBPL siRNA (h): sc-77860, CRALBPL shRNA Plasmid (h): sc-77860-SH and CRALBPL shRNA (h) Lentiviral Particles: sc-77860-V.

Molecular Weight of CRALBPL: 40 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.