SANTA CRUZ BIOTECHNOLOGY, INC.

XTP13 (N-16): sc-85214

BACKGROUND

XTP13 (HBV XAg-transactivated protein 13), also known as HsT3108, PNAS-124, PNAS-131 or C18orf21, is a 220 amino acid protein belonging to the UPF0711 family. The gene encoding XTP13 is located on human chromosome 18, which houses over 300 protein-coding genes and contains nearly 76 million bases. There are a variety of diseases associated with defects in chromosome 18-localized genes, some of which include Trisomy 18 (also known as Edwards syndrome), Niemann-Pick disease, hereditary hemorrhagic telangiectasia, erythropoietic protoporphyria and follicular lymphomas.

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CHROMOSOMAL LOCATION

Genetic locus: C18orf21 (human) mapping to 18q12.2; 2700062C07Rik (mouse) mapping to 18 A2..

SOURCE

XTP13 (N-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of XTP13 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-85214 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

XTP13 (N-16) is recommended for detection of XTP13 of human origin, 2700062C07Rik of mouse origin and MGC116121 of rat 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).

XTP13 (N-16) is also recommended for detection of XTP13 in additional species, including canine, bovine and porcine.

Suitable for use as control antibody for XTP13 siRNA (h): sc-76939, 2700062C07Rik siRNA (m): sc-108821, XTP13 shRNA Plasmid (h): sc-76939-SH, 2700062C07Rik shRNA Plasmid (m): sc-108821-SH, XTP13 shRNA (h) Lentiviral Particles: sc-76939-V and 2700062C07Rik shRNA (m) Lentiviral Particles: sc-108821-V.

Molecular Weight of XTP13: 25 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.