SANTA CRUZ BIOTECHNOLOGY, INC.

H2RSP (N-17): sc-162919



The Power to Question

BACKGROUND

H2RSP (hepatocyte growth factor activator inhibitor type 2-related small protein), also known as IMUP (immortalization up-regulated protein) or C19orf33, is a 106 amino acid nuclear protein that exists as 2 alternatively spliced isoforms, designated IMUP-1 and IMUP-2. The gene encoding H2RSP maps to human chromosome 19q13.2. Consisting of approximately 63 million bases with over 1,400 genes, chromosome 19 makes up over 2% of human genomic DNA. Chromosome 19 includes a diversity of interesting genes and is recognized for having the greatest gene density of the human chromosomes. It is the genetic home for a number of immunoglobulin superfamily members including the killer cell and leukocyte Ig-like receptors, a number of ICAMs, the CEACAM and PSG families, and Fc α receptors. Peutz-Jeghers syndrome, spinocerebellar ataxia type 6, the stroke disorder CADASIL, hypercholesterolemia and Insulin-dependent diabetes have been linked to chromosome 19.

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CHROMOSOMAL LOCATION

Genetic locus: C19orf33 (human) mapping to 19q13.2.

SOURCE

H2RSP (N-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of H2RSP of human origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-162919 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

H2RSP (N-17) is recommended for detection of H2RSP 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 H2RSP siRNA (h): sc-97649, H2RSP shRNA Plasmid (h): sc-97649-SH and H2RSP shRNA (h) Lentiviral Particles: sc-97649-V.

Molecular Weight of H2RSP isoforms 1/2: 11/9 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) Immunofluo-rescence: 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.