

C20orf24 (K-12): sc-85891

BACKGROUND

The gene encoding C20orf24 maps to human chromosome 20, which houses over 600 genes, some of which are associated with Creutzfeldt-Jakob disease, amyotrophic lateral sclerosis, spinal muscular atrophy, ring chromosome 20 epilepsy syndrome and Alagille syndrome. Additionally, chromosome 20 contains a region with numerous genes which are thought important for seminal production and may be potential targets for male contraception. The PRNP gene encoding the prion protein associated with spongiform encephalopathies, like Creutzfeldt-Jakob disease, is found on chromosome 20. The C20orf24 gene product, also designated Rab5-interacting protein (RIP5), may be involved in the induction of both caspase-dependent apoptosis and caspase-independent cell death.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: C20orf24 (human) mapping to 20q11.23; 1110008F13Rik (mouse) mapping to 2 H1.

SOURCE

C20orf24 (K-12) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of C20orf24 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-85891 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

C20orf24 (K-12) is recommended for detection of C20orf24 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).

C20orf24 (K-12) is also recommended for detection of C20orf24 in additional species, including equine, canine and bovine.

Suitable for use as control antibody for C20orf24 siRNA (h): sc-76408, C20orf24 siRNA (m): sc-141865, C20orf24 shRNA Plasmid (h): sc-76408-SH, C20orf24 shRNA Plasmid (m): sc-141865-SH, C20orf24 shRNA (h) Lentiviral Particles: sc-76408-V and C20orf24 shRNA (m) Lentiviral Particles: sc-141865-V.

Molecular Weight of C20orf24: 15/10 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.

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.