C20orf43 (N-19): sc-86087



The Power to Overtin

BACKGROUND

Representing about 2% of human DNA, chromosome 20 consists of approximately 63 million bases and 600 genes. Chromosome 20 contains a region with numerous genes expressed in the epididymis, which are thought important for seminal production, and some viewed as 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. Amyotrophic lateral sclerosis, spinal muscular atrophy, ring chromosome 20 epilepsy syndrome and Alagille syndrome are also associated with chromosome 20. The C20orf43 gene product has been provisionally designated C20orf43 pending further characterization.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: RTFDC1 (human) mapping to 20q13.31; Rtfdc1 (mouse) mapping to 2 H3.

SOURCE

C20orf43 (N-19) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping at the N-terminus of C20orf43 of human origin.

PRODUCT

Each vial contains 100 μg lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-86087 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

C20orf43 (N-19) is recommended for detection of C20orf43 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], 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).

C20orf43 (N-19) is also recommended for detection of C20orf43 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for C20orf43 siRNA (h): sc-72736, C20orf43 siRNA (m): sc-141872, C20orf43 shRNA Plasmid (h): sc-72736-SH, C20orf43 shRNA Plasmid (m): sc-141872-SH, C20orf43 shRNA (h) Lentiviral Particles: sc-72736-V and C20orf43 shRNA (m) Lentiviral Particles: sc-141872-V.

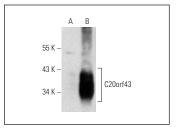
Molecular Weight of C20orf43: 34 kDa.

Positive Controls: C20orf43 (h): 293 Lysate: sc-110638.

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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.

DATA



C20orf43 (N-19): sc-86087. Western blot analysis of C20orf43 expression in non-transfected: sc-110760 (A) and human C20orf43 transfected: sc-110638 (B) 293 whole cell Ivsates.

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.

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