# C5orf30 (C-20): sc-240135



The Power to Question

# **BACKGROUND**

With 181 million base pairs encoding around 1,000 genes, chromosome 5 is about 6% of human genomic DNA. It is associated with Cockayne syndrome through the ERCC8 gene and familial adenomatous polyposis through the adenomatous polyposis coli (APC) tumor suppressor gene. Treacher Collins syndrome is also chromosome 5 associated and is caused by insertions or deletions within the TCOF1 gene. Deletion of the p arm of chromosome 5 leads to cri du chat syndrome. Deletion of 5q or chromosome 5 altogether is common in therapy-related acute myelogenous leukemias and myelodysplastic syndrome. The C5orf30 gene product has been provisionally designated C5orf30 pending further characterization.

# **REFERENCES**

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# CHROMOSOMAL LOCATION

Genetic locus: C5orf30 (human) mapping to 5q21.1; D1Ertd622e (mouse) mapping to 1 D.

# SOURCE

C5orf30 (C-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of C5orf30 of human origin.

# **PRODUCT**

Each vial contains 200  $\mu g$  lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-240135 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

#### **APPLICATIONS**

C5orf30 (C-20) is recommended for detection of C5orf30 of human origin, D1Ertd622e of mouse origin, and RGD1562136 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).

C5orf30 (C-20) is also recommended for detection of C5orf30 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for C5orf30 siRNA (h): sc-91920, D1Ertd622e siRNA (m): sc-142802, C5orf30 shRNA Plasmid (h): sc-91920-SH, D1Ertd622e shRNA Plasmid (m): sc-142802-SH, C5orf30 shRNA (h) Lentiviral Particles: sc-91920-V and D1Ertd622e shRNA (m) Lentiviral Particles: sc-142802-V.

Molecular Weight of C5orf30: 23 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.

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