

## 2310010M20Rik (G-16): sc-245743

### BACKGROUND

2310010M20Rik, also known as C3orf43 homolog, is a 200 amino acid single-pass membrane protein encoded by a gene that maps to mouse chromosome 16 B2. The human homolog of 2310010M20Rik is a 214 amino acid protein known as C3orf43. The gene that encodes C3orf43 consists of approximately 8,490 bases and maps to human chromosome 3q29. Chromosome 3 houses over 1,100 genes, including a chemokine receptor (CKR) gene cluster and a variety of human cancer-related gene loci. Key tumor suppressing genes on chromosome 3 include those that encode the apoptosis mediator RASSF1, the cell migration regulator HYAL1 and the angiogenesis suppressor SEMA3B. Marfan Syndrome, porphyria, von Hippel-Lindau syndrome, osteogenesis imperfecta and Charcot-Marie-Tooth disease are a few of the numerous genetic diseases associated with chromosome 3.

### REFERENCES

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### CHROMOSOMAL LOCATION

Genetic locus: 2310010M20Rik (mouse) mapping to 16 B2.

### SOURCE

2310010M20Rik (G-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of 2310010M20Rik of mouse 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-245743 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

### APPLICATIONS

2310010M20Rik (G-16) is recommended for detection of 2310010M20Rik of mouse origin and the corresponding rat homolog 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 2310010M20Rik siRNA (m): sc-108662, 2310010M20Rik shRNA Plasmid (m): sc-108662-SH and 2310010M20Rik shRNA (m) Lentiviral Particles: sc-108662-V.

Molecular Weight of 2310010M20Rik: 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](http://www.scbt.com) or our catalog for detailed protocols and support products.