

# C10orf32 (C-17): sc-245083

## BACKGROUND

C10orf32 (chromosome 10 open reading frame 32) is a 105 amino acid protein that belongs to the UPF0693 family. The gene encoding C10orf32 maps to human chromosome 10, which spans nearly 135 million base pairs, makes up approximately 4.5% of total DNA in cells and encodes nearly 1,200 genes. Several protein-coding genes, including those that encode for chemokines, cadherins, excision repair proteins, early growth response factors (Egrs) and fibroblast growth receptors (FGFRs), are located on chromosome 10. Defects in some of the genes that map to chromosome 10 are associated with Charcot-Marie-Tooth disease, Jackson-Weiss syndrome, Usher syndrome, nonsyndromic deafness, Wolman's syndrome, Cowden syndrome, multiple endocrine neoplasia type 2 and porphyria.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: C10orf32 (human) mapping to 10q24.32; 2010012005Rik (mouse) mapping to 19 C3.

## SOURCE

C10orf32 (C-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of C10orf32 of human 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-245083 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

C10orf32 (C-17) is recommended for detection of C10orf32 of human origin, 2010012005Rik 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).

C10orf32 (C-17) is also recommended for detection of C10orf32 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for C10orf32 siRNA (h): sc-90741, 2010012005Rik siRNA (m): sc-108597, C10orf32 shRNA Plasmid (h): sc-90741-SH, 2010012005Rik shRNA Plasmid (m): sc-108597-SH, C10orf32 shRNA (h) Lentiviral Particles: sc-90741-V and 2010012005Rik shRNA (m) Lentiviral Particles: sc-108597-V.

Molecular Weight of C10orf32: 12 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.