

# C10orf35 (L-15): sc-163770

## BACKGROUND

C10orf35 (chromosome 10 open reading frame 35) is a 121 amino acid single-pass membrane protein encoded by a gene that maps to human chromosome 10q21.3. Spanning nearly 135 million base pairs, chromosome 10 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: C10orf35 (human) mapping to 10q22.1; 2010107G23Rik (mouse) mapping to 10 B4.

## SOURCE

C10orf35 (L-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of C10orf35 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-163770 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

C10orf35 (L-15) is recommended for detection of 2010107G23Rik of mouse origin, C10orf35 of human origin and RGD1305587 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); non cross-reactive with other C10orf family members.

C10orf35 (L-15) is also recommended for detection of C10orf35 in additional species, including equine and bovine.

Suitable for use as control antibody for C10orf35 siRNA (h): sc-90525, 2010107G23Rik siRNA (m): sc-108601, C10orf35 shRNA Plasmid (h): sc-90525-SH, 2010107G23Rik shRNA Plasmid (m): sc-108601-SH, C10orf35 shRNA (h) Lentiviral Particles: sc-90525-V and 2010107G23Rik shRNA (m) Lentiviral Particles: sc-108601-V.

Molecular Weight of C10orf35: 13 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.