# C19orf48 (S-12): sc-160985

## BACKGROUND

Consisting of around 63 million bases with over 1,400 genes, chromosome 19 makes up over 2% of human genomic DNA. Chromosome 19 includes a diversity of interesting genes and is recognized for having the greatest gene density of the human chromosomes. It is the genetic home for a number of immunoglobulin superfamily members including the killer cell and leukocyte Ig-like receptors, a number of ICAMs, the CEACAM and PSG family and Fcα receptors. Key genes for eye color and hair color also map to chromosome 19. Peutz-Jeghers syndrome, spinocerebellar ataxia type 6, the stroke disorder CADASIL, hypercholesterolemia and Insulin-dependent diabetes have been linked to chromosome 19. Translocations with chromosome 19 and chromosome 14 can be seen in some lymphoproliferative disorders and typically involve the proto-oncogene Bcl-3. The C19orf48 gene product has been provisionally designated C19orf48 pending further characterization.

## REFERENCES

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8. Brocke-Heidrich, K., et al. 2006. Bcl-3 is induced by IL-6 via Stat3 binding to intronic enhancer HS4 and represses its own transcription. Oncogene 25: 7297-7304.

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## CHROMOSOMAL LOCATION

Genetic locus: C19orf48 (human) mapping to 19q13.33.

## SOURCE

C19orf48 (S-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of C19orf48 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-160985 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).
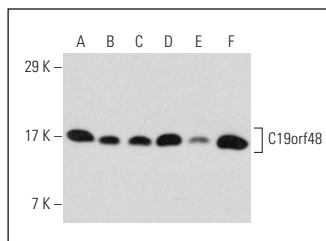
## APPLICATIONS

C19orf48 (S-12) is recommended for detection of C19orf48 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg 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); non cross-reactive with other C19orf family members.

Suitable for use as control antibody for C19orf48 siRNA (h): sc-97271, C19orf48 shRNA Plasmid (h): sc-97271-SH and C19orf48 shRNA (h) Lentiviral Particles: sc-97271-V.

Molecular Weight of C19orf48: 17 kDa.

Positive Controls: JAR cell lysate: sc-2276, PC-3 cell lysate: sc-2220 or HeLa whole cell lysate: sc-2200.

## DATA



C19orf48 (S-12): sc-160985. Western blot analysis of C19orf48 expression in PC-3 (**A**), DU 145 (**B**), HeLa (**C**), JAR (**D**), JEG-3 (**E**) and ES-2 (**F**) whole cell lysates.

## 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.