

C19orf12 (W-12): sc-137980

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 Fc α 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 C19orf12 gene product has been provisionally designated C19orf12 pending further characterization.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: C19orf12 (human) mapping to 19q12; 1600014C10Rik (mouse) mapping to 7 B2.

SOURCE

C19orf12 (W-12) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of C19orf12 of human origin.

PRODUCT

Each vial contains 100 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-137980 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

C19orf12 (W-12) is recommended for detection of C19orf12 of human origin, 1600014C10Rik of mouse origin and the corresponding rat homolog by Western Blotting (starting dilution 1:100, dilution range 1:50-1:500), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:25, dilution range 1:25-1:250) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with other C19orf family members.

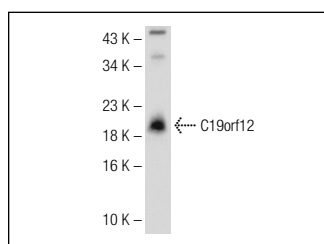
C19orf12 (W-12) is also recommended for detection of C19orf12 in additional species, including bovine, porcine and avian.

Suitable for use as control antibody for C19orf12 siRNA (h): sc-97354, 1600014C10Rik siRNA (m): sc-108252, C19orf12 shRNA Plasmid (h): sc-97354-SH, 1600014C10Rik shRNA Plasmid (m): sc-108252-SH, C19orf12 shRNA (h) Lentiviral Particles: sc-97354-V and 1600014C10Rik shRNA (m) Lentiviral Particles: sc-108252-V.

Molecular Weight of C19orf12 isoforms: 15/9/11/16 kDa.

Positive Controls: mouse ovary extract: sc-2404.

DATA



C19orf12 (W-12): sc-137980. Western blot analysis of C19orf12 expression in mouse ovary tissue extract.

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.