

## C6orf106 (D-13): sc-161412

### BACKGROUND

Making up nearly 6% of the human genome, chromosome 6 contains around 1,200 genes within 170 million base pairs of sequence. Deletion of a portion of the q arm of chromosome 6 is associated with early onset intestinal cancer suggesting the presence of a cancer susceptibility locus. Porphyria cutanea tarda is associated with chromosome 6 through the HFE gene which, when mutated, predisposes an individual to developing this porphyria. Notably, the PARK2 gene, which is associated with Parkinson's disease, and the genes encoding the major histocompatibility complex proteins, which are key molecular components of the immune system and determine predisposition to rheumatic diseases, are also located on chromosome 6. Stickler syndrome, 21-hydroxylase deficiency and maple syrup urine disease are also associated with genes on chromosome 6. A bipolar disorder susceptibility locus has been identified on the q arm of chromosome 6. The C6orf106 gene product has been provisionally designated C6orf106 pending further characterization.

### REFERENCES

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### CHROMOSOMAL LOCATION

Genetic locus: C6orf106 (human) mapping to 6p21.31; D17Wsu92e (mouse) mapping to 17 A3.3.

### SOURCE

C6orf106 (D-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of C6orf106 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-161412 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

### APPLICATIONS

C6orf106 (D-13) is recommended for detection of C6orf106 of human origin, D17Wsu92e 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); non cross-reactive with other C6orf family members.

C6orf106 (D-13) is also recommended for detection of C6orf106 in additional species, including equine and canine.

Suitable for use as control antibody for C6orf106 siRNA (h): sc-95499, D17Wsu92e siRNA (m): sc-142795, C6orf106 shRNA Plasmid (h): sc-95499-SH, D17Wsu92e shRNA Plasmid (m): sc-142795-SH, C6orf106 shRNA (h) Lentiviral Particles: sc-95499-V and D17Wsu92e shRNA (m) Lentiviral Particles: sc-142795-V.

Molecular Weight of C6orf106: 33/26 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.

**MONOS**  
Satisfaction  
Guaranteed

Try **C6orf106 (F-8): sc-398380** or **C6orf106 (A-2): sc-398490**, our highly recommended monoclonal alternatives to C6orf106 (D-13).