

DKFZp779B1540 (S-18): sc-246460

BACKGROUND

DKFZp779B1540, also known as uncharacterized protein C6orf222, is a 652 amino acid protein encoded by a gene that maps to human chromosome 6p21.31. Making up nearly 6% of the human genome, chromosome 6 contains around 1,200 genes. Deletion of a portion of the q arm of chromosome 6 is associated with early onset intestinal cancer, which suggests 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. 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 other diseases associated with genes on chromosome 6.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: C6orf222 (human) mapping to 6p21.31.

SOURCE

DKFZp779B1540 (S-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of DKFZp779B1540 of human origin.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

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-246460 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

DKFZp779B1540 (S-18) is recommended for detection of DKFZp779B1540 of human 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).

Suitable for use as control antibody for DKFZp779B1540 siRNA (h): sc-95114, DKFZp779B1540 shRNA Plasmid (h): sc-95114-SH and DKFZp779B1540 shRNA (h) Lentiviral Particles: sc-95114-V.

Molecular Weight of DKFZp779B1540: 72 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.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.