DD1/2/3 (G-3): sc-398421



The Power to Question

BACKGROUND

Chromosome 10 contains over 800 genes and 135 million nucleotides, making up nearly 4.5% of the human genome. PTEN is an important tumor suppressor gene located on chromosome 10 and, when defective, causes a genetic predisposition to cancer development known as Cowden syndrome. The chromosome 10 encoded gene ERCC6 is important for DNA repair and is linked to Cockayne syndrome which is characterized by extreme photosensitivity and premature aging. Tetrahydrobiopterin deficiency and a number of syndromes involving defective skull and facial bone fusion are also linked to chromosome 10. As with most trisomies, trisomy 10 is rare and is deleterious.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: AKR1C1/AKR1C2/AKR1C3 (human) mapping to 10p15.1.

SOURCE

DD1/2/3 (G-3) is a mouse monoclonal antibody raised against amino acids 181-264 mapping within an internal region of DD3 of human origin.

PRODUCT

Each vial contains 200 $\mu g \ lg G_1$ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

RESEARCH USE

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

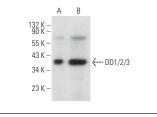
APPLICATIONS

DD1/2/3 (G-3) is recommended for detection of DD1, DD2 and DD3 of human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g 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).

Positive Controls: human liver extract: sc-363766, Hep G2 cell lysate: sc-2227 or A549 cell lysate: sc-2413.

DATA





DD1/2/3 (G-3): sc-398421. Western blot analysis of DD1/2/3 expression in Hep G2 ($\bf A$) and A549 ($\bf B$) whole cell lysates and human liver tissue extract ($\bf C$).

DD1/2/3 (G-3): sc-398421. Western blot analysis of DD1/2/3 expression in A549 whole cell lysate (**A**) and human fetal liver tissue extract (**B**).

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 for detailed protocols and support products.