# SANTA CRUZ BIOTECHNOLOGY, INC.

# DDI2 (m2): 293T Lysate: sc-125232



# BACKGROUND

DDI1 and DDI2 are ubiquitin receptor homologs of the *Saccharomyces cerevisiae* ddi1 protein, which is involved in regulation of the cell cycle and the late secretory pathway. DDI2 is a 399 amino acid protein that contains one ubiquitin-like domain and exists as 3 isoforms as a result of alternative splicing. The gene encoding DDI2 maps to human chromosome 1, the largest human chromosome which spans about 260 million base pairs and makes up 8% of the human genome. Other notable genes located on chromosome 1 include LMNA, which is associated with the rare aging disease Hutchinson-Gilford progeria, and the MUTYH gene, which is partially responsible for familial adenomatous polyposis. Stickler syndrome, Parkinsons, Gaucher disease and Usher syndrome.

# REFERENCES

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# **CHROMOSOMAL LOCATION**

Genetic locus: Ddi2 (mouse) mapping to 4 E1.

# PRODUCT

DDI2 (m2): 293T Lysate represents a lysate of mouse DDI2 transfected 293T cells and is provided as 100  $\mu$ g protein in 200  $\mu$ l SDS-PAGE buffer.

# **STORAGE**

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

#### **APPLICATIONS**

DDI2 (m2): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive DDI2 antibodies. Recommended use: 10-20  $\mu$ l per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

DDI2 (A-3): sc-514004 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse DDI2 expression in DDI2 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

# **RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-lgGκ BP-HRP: sc-516102 or m-lgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker<sup>™</sup> Molecular Weight Standards: sc-2035, UltraCruz<sup>®</sup> Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

# DATA



DDI2 (A-3): sc-514004. Western blot analysis of DDI2 expression in non-transfected: sc-117752 (A) and mouse DDI2 transfected: sc-125232 (B) 293T whole cell lysates

#### **RESEARCH USE**

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

# **PROTOCOLS**

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