SANTA CRUZ BIOTECHNOLOGY, INC.

# ANKRD20A1 (h): 293T Lysate: sc-127972



The Power to Question

# **BACKGROUND**

Ankyrins are membrane adaptor molecules that play important roles in coupling integral membrane proteins to the spectrin-based cytoskeleton network. Mutations of ankyrin genes lead to severe genetic diseases such as fatal cardiac arrhythmias and hereditary spherocytosis. ANKRD20A (ankyrin repeat domain-containing protein 20A) is an 823 amino acid protein that contains 5 ANK repeats. The gene encoding ANKRD20A maps to chromosome 9, which consists of about 145 million bases and encodes nearly 900 genes. Considered to play a role in gender determination, deletion of the distal portion of 9p can lead to development of male to female sex reversal, the phenotype of a female with a male X,Y genotype. Hereditary hemorrhagic telangiectasia, which is characterized by harmful vascular defects, and familial dysautonomia are associated with chromosome 9. Also, chromosome 9 is partnered with chromosome 22 in the translocation leading to the aberrant production of Bcr-Abl fusion protein often found in leukemias.

# **REFERENCES**

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# **CHROMOSOMAL LOCATION**

Genetic locus: ANKRD20A1 (human) mapping to 9q13.

# **PRODUCT**

ANKRD20A1 (h): 293T Lysate represents a lysate of human ANKRD20A1 transfected 293T cells and is provided as 100  $\mu g$  protein in 200  $\mu l$  SDS-PAGE buffer.

# **APPLICATIONS**

ANKRD20A1 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive ANKRD20A1 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.

# **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.

### **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.

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