# GATAD2A (h): 293 Lysate: sc-370033



The Power to Question

#### **BACKGROUND**

GATAD2A (GATA zinc finger domain containing 2A), also known as p66 $\alpha$ , is a ubiquitously expressed, highly conserved protein that is essential for development. GATAD2A contains a GATA-type zinc finger and is a component of the NuRD (nucleosome remodeling and histone deacetylation) complex along with MBD2, HDAC1 and HDAC2. The NuRD complex is associated with ATP-dependent chromatin-remodeling and histone deacetylase activity. GATAD2A interacts with MBD2 and MBD3 and colocalizes with MBD2 in nuclear speckles. This interaction enhances repression mediated by MBD2 and allows for the interaction with histone tails. GATAD2A contains two domains involved in transcriptional repression. For functional repressor activity, GATAD2A requires SUMOylation at Lys-30 and Lys-487.

## **REFERENCES**

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# **CHROMOSOMAL LOCATION**

Genetic locus: GATAD2A (human) mapping to 19p13.11.

#### **PRODUCT**

GATAD2A (h): 293 Lysate represents a lysate of human GATAD2A transfected 293 cells and is provided as 100 µg protein in 200 µl 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**

GATAD2A (h): 293 Lysate is suitable as a Western Blotting positive control for human reactive GATAD2A antibodies. Recommended use: 10-20  $\mu$ l per lane

Control 293 Lysate: sc-110760 is available as a Western Blotting negative control lysate derived from non-transfected 293 cells.

#### **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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