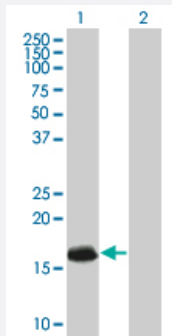


# ATRX 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000546-T01

Size 100 uL

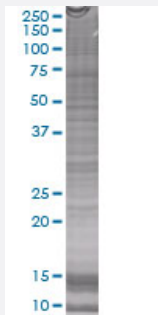
## Applications



### Western Blot

Lane 1: ATRX transfected lysate ( 9.9 KDa)

Lane 2: Non-transfected lysate.



### SDS-PAGE Gel

ATRX transfected lysate.

## Specification

Transfected Cell Line	293T
Plasmid	pCMV-ATRX full-length
Host	Human
Theoretical MW (kDa)	10.01
Interspecies Antigen Sequence	Mouse (84)

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-ATRX antibody ([H00000546-B01](#)) by Western Blots.  
Western Blot  
Lane 1: ATRX transfected lysate ( 9.9 KDa)  
Lane 2: Non-transfected lysate.  
SDS-PAGE Gel  
ATRX transfected lysate.

**Storage Buffer**

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot

## Gene Info — ATRX

**Entrez GeneID**[546](#)**GeneBank Accession#**[BC002521](#)**Protein Accession#**[AAH02521](#)**Gene Name**

ATRX

**Gene Alias**

ATR2, MGC2094, MRXHF1, RAD54, RAD54L, SFM1, SHS, XH2, XNP, ZNF-HX

**Gene Description**alpha thalassemia/mental retardation syndrome X-linked (RAD54 homolog, *S. cerevisiae*)**Omim ID**[300032](#) [300448](#) [301040](#) [309580](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene contains an ATPase/helicase domain, and thus it belongs to the SWI/SNF family of chromatin remodeling proteins. The mutations of this gene are associated with an X-linked mental retardation (XLMR) syndrome most often accompanied by alpha-thalassemia (ATRX) syndrome. These mutations have been shown to cause diverse changes in the pattern of DNA methylation, which may provide a link between chromatin remodeling, DNA methylation, and gene expression in developmental processes. This protein is found to undergo cell cycle-dependent phosphorylation, which regulates its nuclear matrix and chromatin association, and suggests its involvement in the gene regulation at interphase and chromosomal segregation in mitosis. Multiple alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq]

**Other Designations**

DNA dependent ATPase and helicase|OTTHUMP00000024265|OTTHUMP00000062079|X-linked nuclear protein|Zinc finger helicase|helicase 2, X-linked|transcriptional regulator ATRX

**Disease**

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)