

DNAPAb

Hard-to-Find
Antibody

ATRX DNAPAb

Catalog # H00000546-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human ATRX DNA using DNAX™ Immune technology.
Technology	DNAX™ Immune
Immunogen	Full-length human DNA
Sequence	MTAEPMSSESKLNTLVQKLHDFLAHSSESEETSSPPRLAMNQNTDKISGSGSNSDMMENSKEE GTSSSEKSKSSGSSRSKRKPSMVNKND
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — ATRX

Entrez GeneID	546
GeneBank Accession#	BC002521.2
Protein Accession#	AAH02521.1
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](#)