

## Product datasheet for **TA356679**

### ATRX Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of Human ATRX
Specificity:	<b>Expected reactivity:</b> Dog, Human, Pig, Rabbit <b>Homology:</b> Dog: 88%; Human: 100%; Pig: 93%; Rabbit: 75%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	148kDa
Gene Name:	ATRX, chromatin remodeler
Database Link:	<a href="#">Entrez Gene 546 Human P46100-6</a>



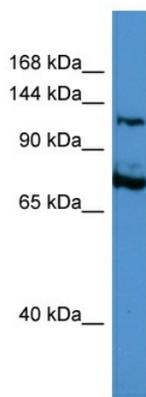
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**Background:**

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.

**Synonyms:**

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

**Product images:**

Host: Rabbit  
Target Name: ATRX  
Sample Tissue: Jurkat Cell Lysate  
Antibody Dilution: 1.0µg/ml

Host: Rabbit  
Target Name: ATRX  
Sample Type: Jurkat Whole Cell lysates  
Antibody Dilution: 1.0ug/ml  
ATRX is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells