

Product datasheet for **TA308651**

ATRX Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	ICC/IF:1:100-1:1000; IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human, Mouse (Predicted: Chimpanzee)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 2161 and 2443 of Rad54 (Uniprot ID#P46100)
Formulation:	1XPBS, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	283 kDa
Gene Name:	ATRX, chromatin remodeler
Database Link:	NP_000480 Entrez Gene 22589 Mouse Entrez Gene 546 Human P46100



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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. [provided by RefSeq]

Synonyms:

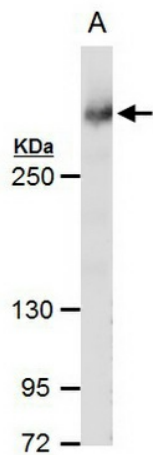
ATR2; JMS; MRX52; MRXHF1; RAD54; RAD54L; SFM1; SHS; XH2; XNP; ZNF-HX

Note:

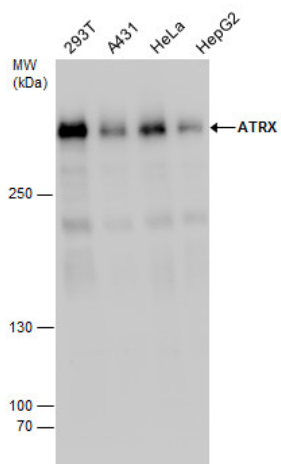
Seq homology of immunogen across species: Chimpanzee (100%)

Protein Families:

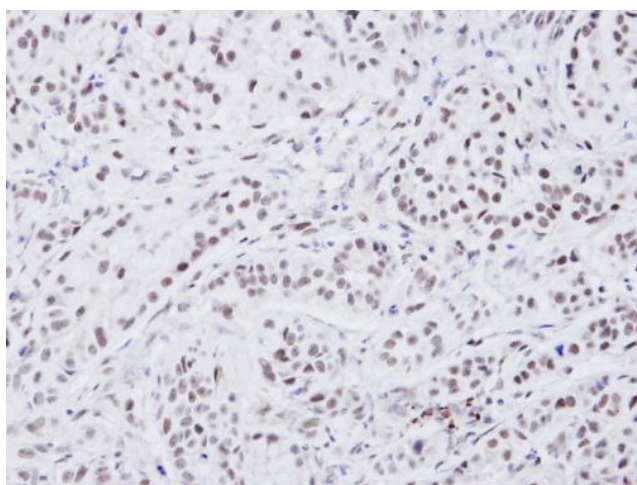
Druggable Genome, Transcription Factors

Product images:

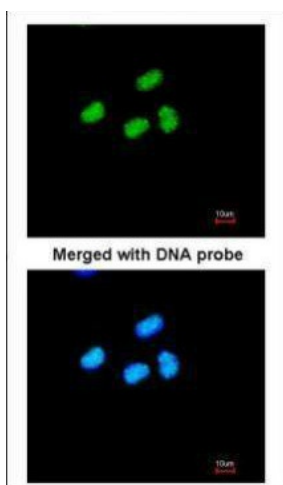
Rad54 antibody [C3], C-term detects Rad54 protein by western blot analysis. A. 30 ug NIH-3T3 whole cell extract. 5 % SDS-PAGE. Rad54 antibody [C3], C-term (TA308651) dilution: 1:1000



ATRX antibody detects ATRX protein by western blot analysis. Various whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with ATRX antibody (TA308651) diluted by 1:1000.



Immunohistochemical analysis of paraffin-embedded A549 xenograft, using ATRX (TA308651) antibody at 1:100 dilution.



Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using ATRX (TA308651) antibody at 1:200 dilution.