

## Product datasheet for **TA592709**

### ATRX Rabbit Monoclonal Antibody [Clone ID: OTIR8G1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTIR8G1
Applications:	IHC
Recommended Dilution:	IHC 1:200
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to the N-terminus of human ATRX (NP_000480) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1.00mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.
Predicted Protein Size:	282.4 kDa
Gene Name:	ATRX chromatin remodeler
Database Link:	<a href="#">NP_000480</a> <a href="#">Entrez Gene 546 Human</a> <a href="#">P46100</a>



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**Background:**

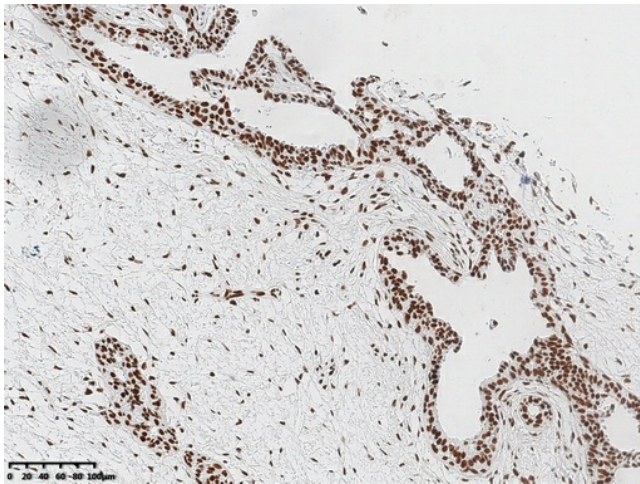
The protein encoded by this gene contains an ATPase/helicase domain, and thus it belongs to the SWI/SNF family of chromatin remodeling proteins. This protein is found to undergo cell cycle-dependent phosphorylation, which regulates its nuclear matrix and chromatin association, and suggests its involvement in the gene regulation at interphase and chromosomal segregation in mitosis. Mutations in this gene are associated with X-linked syndromes exhibiting cognitive disabilities as well as 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. Multiple alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2017]

**Synonyms:**

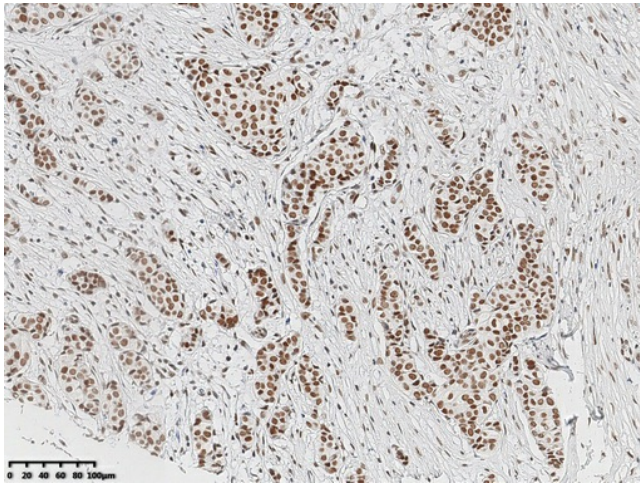
JMS; MRX52; RAD54; RAD54L; XH2; XNP; ZNF-HX

**Protein Families:**

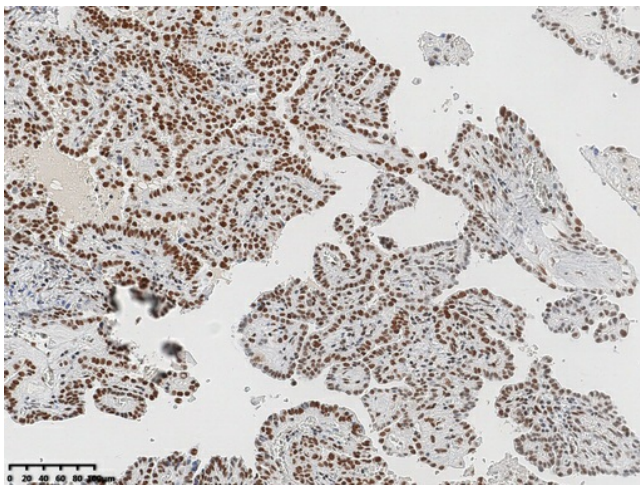
Druggable Genome, Transcription Factors

**Product images:**

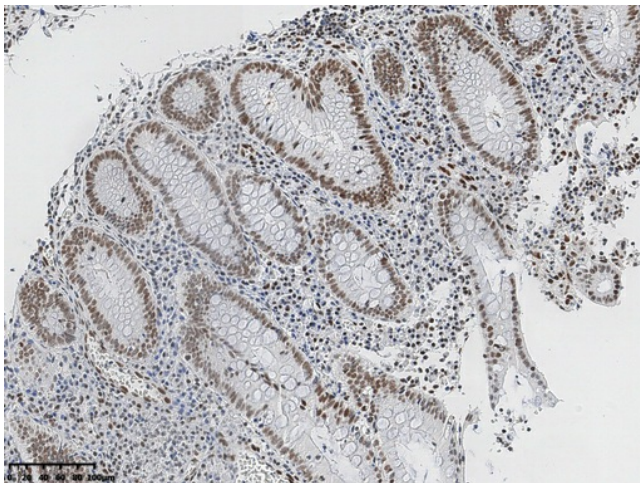
IHC staining of FFPE human breast tissue with in the normal limits using anti-ATRX rabbit monoclonal antibody (TA592709) and Polink-2 HRP polymer detection kit ([D22-110]). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 ([B04C-100]) at 120°C for 3 min. The brown stain indicates positive stain, blue is the counter stain.



IHC staining of FFPE human breast cancer tissue using anti-ATRX rabbit monoclonal antibody (TA592709) and Polink-2 HRP polymer detection kit (D22-110). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 (B04C-100) at 120°C for 3 min. The brown stain indicates positive stain, blue is the counter stain.

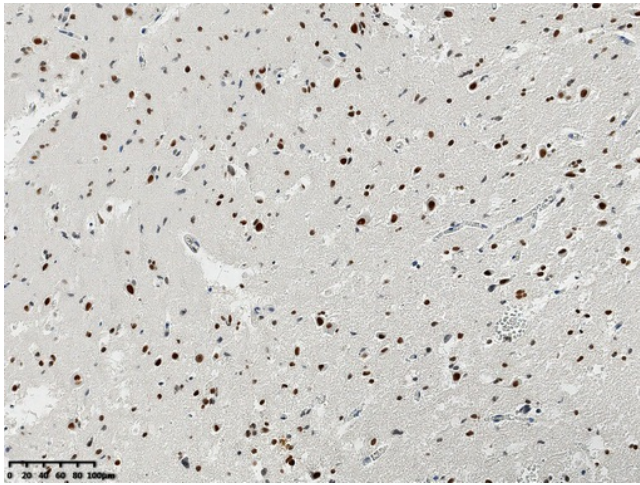


IHC staining of FFPE human thyroid cancer tissue using anti-ATRX rabbit monoclonal antibody (TA592709) and Polink-2 HRP polymer detection kit (D22-110). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 (B04C-100) at 120°C for 3 min. The brown stain indicates positive stain, blue is the counter stain.



IHC staining of FFPE human appendix tissue with in the normal limits using anti-ATRX rabbit monoclonal antibody (TA592709) and Polink-2 HRP polymer detection kit (D22-110). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 (B04C-100) at 120°C for 3 min. The brown stain indicates positive stain, blue is the counter stain.





IHC staining of FFPE human glioma tissue using anti-ATRX rabbit monoclonal antibody (TA592709) and Polink-2 HRP polymer detection kit ([D22-110]). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 ([B04C-100]) at 120°C for 3 min. The brown stain indicates positive stain, blue is the counter stain.