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# anti-ATRX antibody

2 Images



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#### Overview

Quantity:	100 μg
Target:	ATRX
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ATRX antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

### **Product Details**

Immunogen:	Recombinant full-length human ATRX protein
Clone:	39f
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

# Target Details

Target:	ATRX
Alternative Name:	ATRX (ATRX Products)
Background:	ATRX is a member of the Snf2 family of helicase/ATPases, which contribute to the remodeling of the nucelosome structure in an ATP-dependent manner, and facilitate the initiation of transcription and replication. Structurally, ATRX contains a PHD zinc finger motif. ATRX is regulated throughout the cell cycle where it is differentially distributed within the nucleus.

### **Target Details**

During interphase, ATRX predominately associates with the nuclear matrix, while during	
mitosis, ATRX localizes with condensed chromatin. At the onset of M phase, phosphorylation	
rapidly induces this redistribution of ATRX to the short arms of human acrocentric	
chromosomes, where it then specifically complexes with heterochromatin protein 1	
thalassemia or ATRX syndrome	

Molecular Weight:

280kDa

Gene ID:

546

UniProt:

P46100

## **Application Details**

**Application Notes:** 

Positive Control: Raji, HeLa or A431 cells. Pancreas, Adrenal, Ovary, Kidney, Prostate or

Stomach.

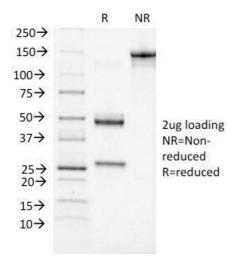
Known Application: Immunohistochemistry (Formalin-fixed) (1-2  $\mu$ g/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions:

For Research Use only

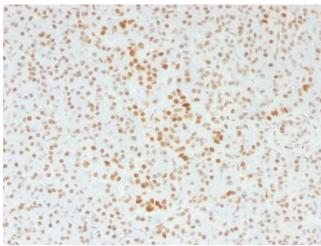
### Handling

Concentration:	200 μg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



### **SDS-PAGE**

**Image 1.** SDS-PAGE Analysis Purified ATRX Mouse Monoclonal Antibody (39f). Confirmation of Integrity and Purity of Antibody.



#### **Immunohistochemistry**

**Image 2.** Formalin-fixed, paraffin-embedded human Pancreas stained with ATRX Mouse Monoclonal Antibody (39f).