

# ATRX antibody (pAb)

Catalog No.: RA9019

## Basic Information

### Molecular weight

300 kDa

### Category

Polyclonal antibody

### Applications

WB

### Cross-Reactivity

Human

## Background

ATRX (alpha thalassemia/mental retardation syndrome X-linked protein, X-linked helicase II, XNP) is a transcriptional regulator and a member of the SWI/SNF family of chromatin remodeling proteins. It contains an SNF2 domain and helicase domain, and a PHD finger. ATRX undergoes cell cycle-dependent phosphorylation, which regulates its nuclear matrix and chromatin association, and suggests its involvement in interphase gene regulation and chromosomal segregation in mitosis. Mutations of the ATRX gene are associated with an X-linked mental retardation 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.

## Recommended Dilutions

WB 1:1000-1:5000

## Product Information

<b>Source</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity Purified
<b>Storage buffer</b>	Purified IgG in 70 mM Tris (pH 8), 105 mM NaCl, 31 mM glycine, 0.07 mM EDTA, 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
<b>Storage Conditions</b>	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage.

Note: For in vitro research use only, not for diagnostic or therapeutic use, This product is not a medical device.

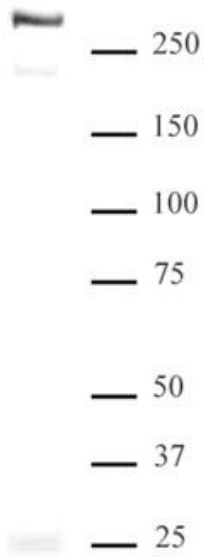
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Western blot of ATRX antibody. Nuclear extract of CCF-STGG1 cells (40 ug per lane) probed with ATRX antibody (pAb) at a dilution of 1:2,500.

