

A25419

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## ATRX Rabbit pAb

Catalog No.: A25419

### Basic Information

#### Observed MW

Refer to figures

#### Calculated MW

283kDa

#### Category

Polyclonal Antibody

#### Applications

IF/ICC,ELISA

#### Cross-Reactivity

Mouse

### 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.

### Recommended Dilutions

IF/ICC 1:50 - 1:200

### Immunogen Information

#### Gene ID

546

#### Swiss Prot

P46100

#### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 2273-2413 of human ATRX (NP\_000480.3).

#### Synonyms

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

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

Affinity purification

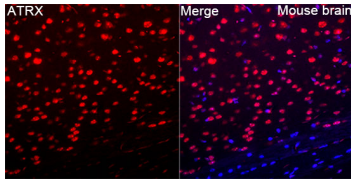
#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

## Validation Data

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Immunofluorescence analysis of paraffin-embedded Mouse brain tissue using ATRX Rabbit pAb(A25419) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. Perform microwave antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.