ATRX Rabbit pAb

Catalog NO.: A25419

Basic Information

Observed MW
Refer to figures

Calculated MW
283kDa

Category
Polyclonal Antibodies

Applications
IF-P, ELISA

Cross-Reactivity
Mouse

Conjugation
Unconjugated

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-P	1:50 - 1:200

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
546

Swiss Prot
P46100

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

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

Contact

Product Information

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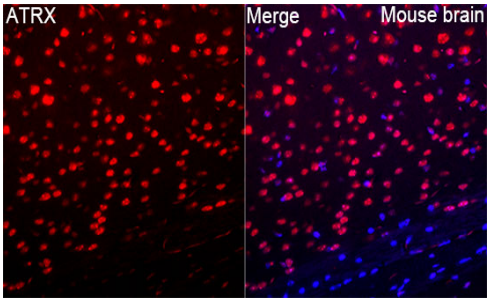
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



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.

For research use only. Not for therapeutic or diagnostic purposes.

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