

ATRX Rabbit pAb

Catalog No.: A17378

Basic Information

Observed MW

310kDa

Calculated MW

283kDa

Category

Primary antibody

Applications

WB,ELISA

Cross-Reactivity

Human, 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

WB 1:2000 - 1:6000**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

A synthetic peptide corresponding to a sequence within amino acids 2100-2200 of human ATRX (NP_000480.3).

Synonyms

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

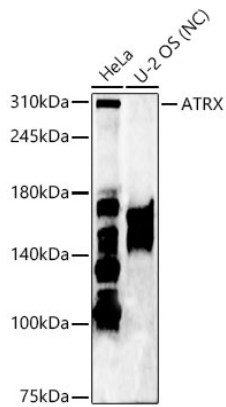
Affinity purification

Storage

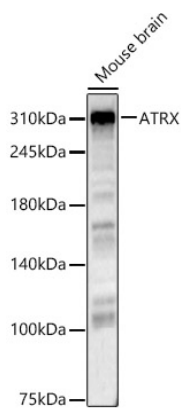
Store at -20°C. Avoid freeze / thaw cycles.

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

Validation Data



Western blot analysis of various lysates, using ATRX Rabbit pAb (A17378) at 1:5000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Negative control (NC): U-2 OS.
Exposure time: 60s.



Western blot analysis of lysates from Mouse brain, using ATRX Rabbit pAb (A17378) at 1:5000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 60s.