

Mouse Monoclonal Antibody to ATRX

Catalogue Number	sAP-1564
Target Molecule	Name: ATRX Aliases: JMS; SHS; XH2; XNP; ATR2; SFM1; MRX52; RAD54; MRXHF1; RAD54L; ZNF-HX MW: 282.5kDa Entrez Gene ID: 546
Description	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 an X-linked mental retardation (XLMR) 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. Multiple alternatively spliced transcript variants encoding distinct
Immunogen	Purified recombinant fragment of human ATRX (AA: 2311-2492) expressed in E. Coli.
Recombinant Species	Human;
Clone	MM8B2H9
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; ICC: N to A; FCM: N to A; IHC: N to A
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1.Nat Commun. 2015 Jul 6;6:7538. 2.Oncotarget. 2015 Jul 20;6(20):18105-15.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**