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Datasheet for ABIN5611354
anti-ATRX antibody (AA 2311-2492)

3 Images

Overview

Quantity:	0.1 mg
Target:	ATRX
Binding Specificity:	AA 2311-2492
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunocytochemistry (ICC), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human ATRX (AA: 2311-2492) expressed in E. coli.
Clone:	8B2H9
Isotype:	IgG1
Purification:	purified

Target Details

Target:	ATRX
Alternative Name:	ATRX (ATRX Products)
Background:	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

Target Details

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 isoforms have been reported.

Aliases: JMS, SHS, XH2, XNP, ATR2, SFM1, MRX52, RAD54, MRXHF1, RAD54L, ZNF-HX

Molecular Weight:	282.5 kDa
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Gene ID:	546
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HGNC:	546
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Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: N/A, FCM: N/A, IHC: N/A
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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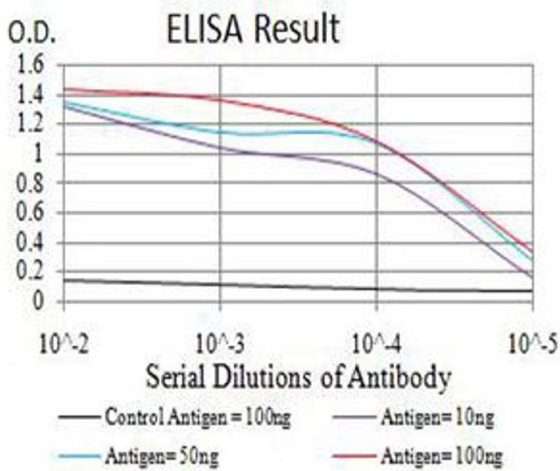
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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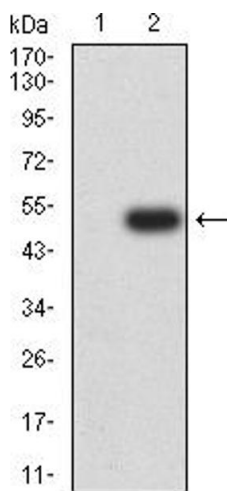
Storage:	4 °C/-20 °C
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Storage Comment:	4°C, -20°C for long term storage
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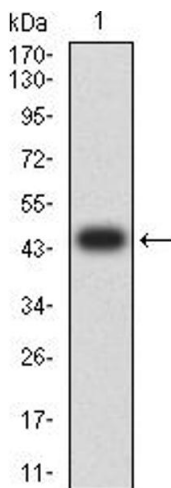
ELISA

Image 1. Black line: Control Antigen (100 ng), Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng)



Western Blotting

Image 2. Western blot analysis using ATRX mAb against HEK293 (1) and ATRX (AA: 2311-2492)-hlgGfc transfected HEK293 (2) cell lysate.



Western Blotting

Image 3. Western blot analysis using ATRX mAb against human ATRX (AA: 2311-2492) recombinant protein. (Expected MW is 46.6 kDa)