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Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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ATRX monoclonal antibody (M01), clone 3C9

Catalog # : H00000546-M01

規格 : [100 ug]

[List All](#)

Specification

Product Description: Mouse monoclonal antibody raised against a partial recombinant ATRX.

Immunogen: ATRX (NP_000480, 2311 a.a. ~ 2410 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

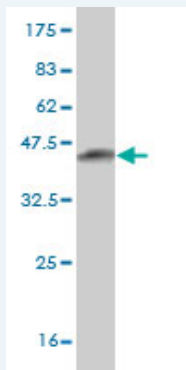
Sequence: FNLGALSAMSNQQLEDLINQGKREKWEATNSVTAVRIQPLEDIISAVWKEN
MNLSEAQVQALALSRQASQELDVKRREAIYNDVLTQQMLISCVQRILM

Host: Mouse

Reactivity: Human

Isotype: IgG1 Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (36.74 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

Datasheet: [Download](#)

Applications

Western Blot (Recombinant protein)

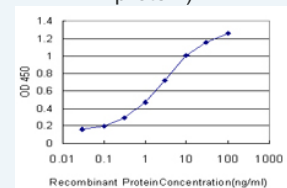
[Protocol Download](#)

Sandwich ELISA (Recombinant protein)

Application Image

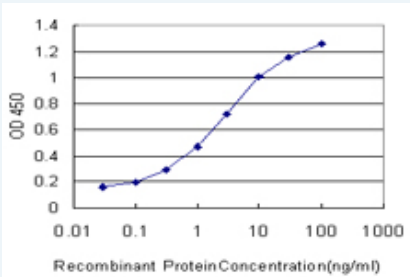
Western Blot (Recombinant protein)

Sandwich ELISA (Recombinant protein)




[enlarge](#)

ELISA



Detection limit for recombinant GST tagged ATRX is approximately 0.1ng/ml as a capture antibody.

 [Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [546](#)

GeneBank [NM_000489](#)

Accession#:

Protein [NP_000480](#)

Accession#:

Gene Name: ATRX

Gene Alias: ATR2, MGC2094, MRXHF1, RAD54, RAD54L, SFM1, SHS, XH2, XNP, ZNF-HX

Gene Description: alpha thalassemia/mental retardation syndrome X-linked (RAD54 homolog, *S. cerevisiae*)

Omim ID: [300032](#), [300448](#), [301040](#), [309580](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene contains an ATPase/helicase domain, and thus it belongs to the SWI/SNF family of chromatin remodeling proteins. The mutations of this gene are associated with an X-linked mental retardation (XLMR) syndrome most often accompanied by alpha-thalassemia (ATR) 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. 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. Multiple alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq]

Other Designations: DNA dependent ATPase and helicase, OTTHUMP00000024265, OTTHUMP00000062079, X-linked nuclear protein, Zinc finger helicase, helicase 2, X-linked, transcriptional regulator ATRX

Related Disease

[Breast cancer](#) [Breast Neoplasms](#) [Genetic Predisposition to Disease](#)