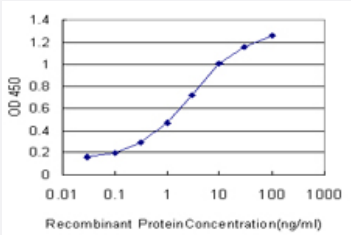
ATRX monoclonal antibody (M01), clone 3C9

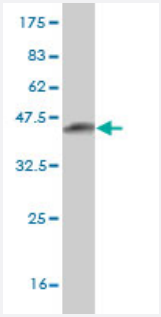
Catalog # H00000546-M01 Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

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



Western Blot detection against Immunogen (36.74 KDa) .

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	FNLGALSAMSNQQLEDLINQGREKVVEATNSVTAVRIQPLEDIISAVWKENMNLSEAQVQALALSR QASQELDVKRREAIYNDVLTKQQMLISCVQRILM
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (97)
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.

Applications

- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

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

  Protocol Download

- ELISA

Gene Info — ATRX

Entrez GeneID	546
GeneBank Accession#	NM_000489
Protein Accession#	NP_000480
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 th e SWI/SNF family of chromatin remodeling proteins. The mutations of this gene are associated wi th an X-linked mental retardation (XLMR) syndrome most often accompanied by alpha-thalassemi a (ATRX) syndrome. These mutations have been shown to cause diverse changes in the pattern o f DNA methylation, which may provide a link between chromatin remodeling, DNA methylation, an d gene expression in developmental processes. This protein is found to undergo cell cycle-depen dent phosphorylation, which regulates its nuclear matrix and chromatin association, and suggests its involvement in the gene regulation at interphase and chromosomal segregation in mitosis. Mult iple alternatively spliced transcript variants encoding distinct isoforms have been reported. [provid ed by RefSeq
Other Designations	DNA dependent ATPase and helicase|OTTHUMP00000024265|OTTHUMP00000062079|X-link ed nuclear protein|Zinc finger helicase|helicase 2, X-linked|transcriptional regulator ATRX

Disease

- Breast cancer
- Breast Neoplasms
- Genetic Predisposition to Disease