

Mouse ATRX/RAD54 Monoclonal Antibody | anti-ATRX antibody

ATRX/RAD54 (Alpha Thalassemia Mental Retardation)

CATALOG # AAA214486	HOST Mouse	REACTIVITY Human. Others not known.	APPLICATIONS Immunohistochemistry
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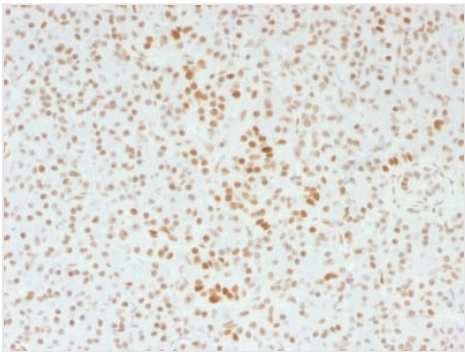
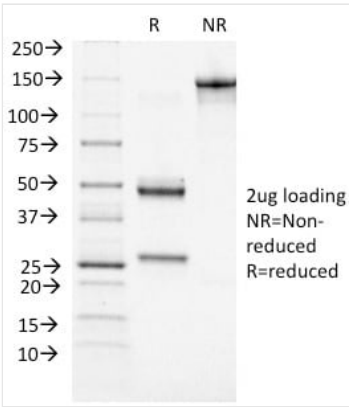
PRODUCT SYNONYMS

ATRX/RAD54; Monoclonal Antibody; ATRX/RAD54 (Alpha Thalassemia Mental Retardation); Alpha thalassemia/mental retardation syndrome X linked homolog; ATP-dependent helicase ATRX; ATR2; ATRX; DNA-dependent ATPase and helicase; MRXHF1; RAD54; RAD54L; SFM1; SHS; Transcriptional regulator ATRX; X-linked helicase II; X-linked nuclear protein; XH2; XNP; Znf-HX; anti-ATRX antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	39f
Specificity	ATRX is a member of the Snf2 family of helicase/ATPases, which contribute to the remodeling of the nucleosome structure in an ATP-dependent manner, and facilitate the initiation of transcription and replication. Structurally, ATRX contains a PHD zinc finger motif. ATRX is regulated throughout the cell cycle where it is differentially distributed within the nucleus. During interphase, ATRX predominately associates with the nuclear matrix, while during mitosis, ATRX localizes with condensed chromatin. At the onset of M phase, phosphorylation rapidly induces this redistribution of ATRX to the short arms of human acrocentric chromosomes, where it then specifically complexes with heterochromatin protein 1 ? to mediate chromosomal segregation. Mutations in the ATRX gene correlate with a high incidence of severe X-linked form of syndromal mental retardation associated with ? thalassemia or ATRX syndrome
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	2492
Applicable Applications for anti-ATRX antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant full-length human ATRX protein
Cellular Localization	Nuclear
Hu-chromosome Location	Xq21.1
Positive Control	Raji, HeLa or A431 Cells. Pancreas, Adrenal, Ovary, Kidney, Prostate or Stomach.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Pancreas stained with ATRX Mouse Monoclonal Antibody (39f).

SDS-PAGE
SDS-PAGE Analysis Purified ATRX Mouse Monoclonal Antibody (39f). Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

References	McDowell et al. 1999. Proc Natl Acad Sci U S A. 96(24):13983-8. Lukashchuk et al. 2008. J Virol. 82(24):12543-54.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	530788276
NCBI GeneID	546
NCBI Accession #	NP_000480.3
NCBI GenBank Nucleotide #	NM_000489.5
UniProt Accession #	P46100; P51068; Q15886; Q59FB5; Q59H31; Q5H9A2; Q5JWI4; Q7Z2J1; Q9H0Z1; Q9NTS3; D3DTE2
Molecular Weight	280kDa
NCBI Official Full Name	transcriptional regulator ATRX isoform 1
NCBI Official Synonym Full Names	ATRX, chromatin remodeler
NCBI Official Symbol	ATRX
NCBI Official Synonym Symbols	JMS; XH2; XNP; MRX52; RAD54; RAD54L; ZNF-HX
NCBI Protein Information	transcriptional regulator ATRX
UniProt Protein Name	Transcriptional regulator ATRX
UniProt Gene Name	ATRX
UniProt Synonym Gene Names	RAD54L; XH2; XNP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.