产品名称: ATRX Rabbit Polyclonal Antibody
产品货号: APRab07357

产品概述（Summary）

描述(Description)	Rabbit polyclonal Antibody
宿主(Host)	Rabbit
应用(Application)	ICC/IF,ELISA
种属反应(Reactivity)	Human,Mouse
偶联物(Conjugation)	Unconjugated
修饰(Modification)	Unmodified
同种型(Isotype)	IgG
克隆(Clonality)	Polyclonal
剂型(Form)	Liquid
保存条件(Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液(Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化 (Purification)	Affinity purification

产品应用(Application)

稀释比(Dilution Ratio)	ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000
分子量(Molecular Weight)	

抗原信息(Antigen Information)

基因名(Gene Name)	ATRX
别名(Alternative Names)	ATRX; RAD54L; XH2; Transcriptional regulator ATRX; ATP-dependent helicase ATRX; X-linked helicase II; X-linked nuclear protein; XNP; Znf-HX
基因 ID(Gene ID)	546.0
SwissProt ID	P46100
免疫原(Immunogen)	The antiserum was produced against synthesized peptide derived from human ATRX. AA range:111-160

研究背景（Background）

ATRX, chromatin remodeler(ATRX) Homo sapiens The protein encoded by this gene contains an ATPase/helicase domain, and

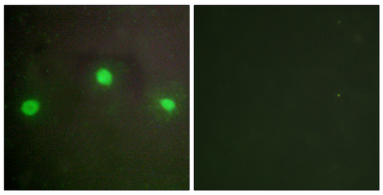
thus it belongs to the SWI/SNF family of chromatin remodeling proteins. This protein is found to undergo cell cycle-dependent phosphorylation, which regulates its nuclear matrix and chromatin association, and suggests its involvement in the gene regulation at interphase and chromosomal segregation in 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 isoforms have been reported. [provided by RefSeq, Aug 2013],disease:Defects in ATRX are a cause of alpha-thalassemia myelodysplasia syndrome (ATMDS) [MIM:300448]. In this disorder, alpha-thalassemia occurs as an acquired abnormality in association with a multilineage myelodysplasia.,disease:Defects in ATRX are the cause of mental retardation syndromic X-linked with hypotonic facies syndrome type 1 (MRXSHF1) [MIM:309580]; also called Carpenter-Waziri syndrome (CWS), Juberg-Marsidi syndrome (JMS), Smith-Fineman-Myers syndrome type 1 (SFM1). Clinical features include severe mental retardation, dysmorphic facies, and a highly skewed X-inactivation pattern in carrier women. Other more variable features include hypogonadism, deafness, renal anomalies, and mild skeletal defects.,disease:Defects in ATRX are the cause of X-linked alpha-thalassemia/mental retardation syndrome (ATR-X) [MIM:301040]. ATR-X is an X-linked disorder comprising severe psychomotor retardation, facial dysmorphism, urogenital abnormalities, and alpha-thalassemia. An essential phenotypic trait are hemoglobin H erythrocyte inclusions.,domain:Contains one Pro-Xaa-Val-Xaa-Leu (PxVxL) motif, which is required for interaction with chromoshadow domains. This motif requires additional residues -7, -6, +4 and +5 of the central Val which contact the chromoshadow domain.,function:Could be a global transcriptional regulator. Modifies gene expression by affecting chromatin. May be involved in brain development and facial morphogenesis.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the SNF2/RAD54 helicase family.,similarity:Contains 1 GATA-type zinc finger.,similarity:Contains 1 helicase ATP-binding domain.,similarity:Contains 1 helicase C-terminal domain.,similarity:Contains 1 PHD-type zinc finger.,subcellular location:Associated with pericentromeric heterochromatin during interphase and mitosis, probably by interacting with HP1.,subunit:Probably binds EZH2. Binds annexin V in a calcium and phosphatidylcholine/phosphatidylserine-dependent manner (By similarity). Interacts directly with CBX5 via the PxVxL motif.,tissue specificity:Ubiquitous.,

研究领域（Research Area）

注意事项（Note）

For research use only.

图片（Image Data）



Immunofluorescence analysis of A549 cells, using ATRX Antibody. The picture on the right is blocked with the synthesized peptide.

EnkiLife 优势产品推荐

产品类别	产品货号	产品名称
WB 解决方案	RA10020	2h 极速 WB 即用型全流程试剂盒
	RA10021	4h 快速 WB 即用型全流程试剂盒
	RA10042	5h 畅享版 WB 全流程试剂盒
	RA10037	校准级彩色预染蛋白 Marker（8-180kDa）
	RA10038	校准级彩色预染蛋白 Marker（10-250kDa）
	RA10039	校准级高分子彩色预染蛋白 Marker（25-400kDa）
TSA 多重荧光染色试剂盒	RA10008	TSA 双标三色多重荧光染色试剂盒（mIHC）
	RA10009	TSA 三标四色多重荧光染色试剂盒（mIHC）
	RA10010	TSA 四标五色多重荧光染色试剂盒（mIHC）
	RA10011	TSA 五标六色多重荧光染色试剂盒（mIHC）
	RA10012	TSA 六标七色多重荧光染色试剂盒（mIHC）
IHC 检测试剂盒	RA10006	HRP Anti-Mouse/Rabbit IHC Detection System
	RA10007	Polymer-HRP Anti-Mouse/Rabbit IHC Detection System
抗体标记试剂盒	RE80004p	辣根过氧化物酶(HRP)抗体标记试剂盒
	RE80002q	Sulfo-NHS-生物素标记试剂盒
	RE80007p	Cy3 荧光素标记试剂盒
	RE80011p	Fluor488 荧光素标记试剂盒
	RE80017p	Fluor750 荧光素标记试剂盒
	RE80005p	藻红蛋白(R-PE) 抗体快速标记试剂盒
	RE80040	PE-Cy7 串联染料抗体快速标记试剂盒
稳转细胞系构建服务 (免费赠送全膜 WB 验证)	TS-0001	过表达稳转细胞系构建
	TS-0002	敲低稳转细胞系构建
	TS-0003	敲除细胞系构建

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