产品名称: ARX Rabbit Polyclonal Antibody
产品货号: APRab07180

产品概述（Summary）

描述(Description)	Rabbit polyclonal Antibody
宿主(Host)	Rabbit
应用(Application)	WB,ELISA
种属反应(Reactivity)	Human,Mouse,Rat
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)	WB 1:500-1:2000,ELISA 1:5000-1:10000
分子量(Molecular Weight)	55kDa

抗原信息(Antigen Information)

基因名(Gene Name)	ARX
别名(Alternative Names)	ARX; Homeobox protein ARX; Aristaless-related homeobox
基因 ID(Gene ID)	170302.0
SwissProt ID	Q96QS3
免疫原(Immunogen)	Synthesized peptide derived from ARX . at AA range: 250-330

研究背景（Background）

This gene is a homeobox-containing gene expressed during development. The expressed protein contains two conserved domains, a C-peptide (or aristaless domain) and the prd-like class homeobox domain. It is a member of the group-II aristaless-related protein family whose members are expressed primarily in the central and/or peripheral nervous system. This gene is

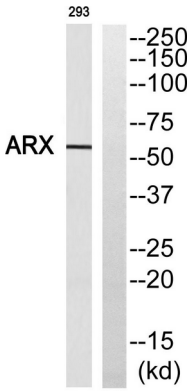
thought to be involved in CNS development. Expansion of a polyalanine tract and other mutations in this gene cause X-linked mental retardation and epilepsy. [provided by RefSeq, Jul 2016],disease:Defects in ARX are a cause of Partington syndrome (PRTS) [MIM:309510]; also known as X-linked syndromic mental retardation 1 (MRXS1). PRTS is characterized by mental retardation, episodic dystonic hand movements, and dysarthria.,disease:Defects in ARX are the cause of agenesis of corpus callosum with abnormal genitalia (ACC with abnormal genitalia) [MIM:300004]. ACC with abnormal genitalia consists of a brain and genital malformations syndrome.,disease:Defects in ARX are the cause of epileptic encephalopathy early infantile type 1 (EIEE1) [MIM:308350]; also known as myoclonic epilepsy X-linked with intellectual disability and spasticity, X-linked West syndrome or X-linked infantile spasm syndrome (ISSX). EIEE1 is a severe form of epilepsy characterized by frequent tonic seizures or spasms beginning in infancy with a specific EEG finding of suppression-burst patterns, characterized by high-voltage bursts alternating with almost flat suppression phases. Patients may progress to West syndrome, which is characterized by tonic spasms with clustering, arrest of psychomotor development, and hypsarrhythmia on EEG.,disease:Defects in ARX are the cause of lissencephaly X-linked type 2 (LISX2) [MIM:300215]; also known as lissencephaly X-linked with ambiguous genitalia (XLAG). LISX2 is a classic type lissencephaly associated with abnormal genitalia. LISX2 patients have severe congenital or postnatal microcephaly, lissencephaly, agenesis of the corpus callosum, neonatal-onset intractable epilepsy, poor temperature regulation, chronic diarrhea, and ambiguous or underdeveloped genitalia.,disease:Defects in ARX are the cause of mental retardation X-linked ARX-related (MRXARX) [MIM:300419]. Mental retardation is a mental disorder characterized by significantly sub-average general intellectual functioning associated with impairments in adaptative behavior and manifested during the developmental period.,function:Transcription factor required for normal brain development. May be important for maintenance of specific neuronal subtypes in the cerebral cortex and axonal guidance in the floor plate.,similarity:Belongs to the paired homeobox family. Bicoid subfamily.,similarity:Contains 1 homeobox DNA-binding domain.,similarity:Contains 1 OAR domain.,tissue specificity:Expressed predominantly in fetal and adult brain and skeletal muscle. Expression is specific to the telencephalon and ventral thalamus. There is an absence of expression in the cerebellum throughout development and also in adult.,

研究领域（Research Area）

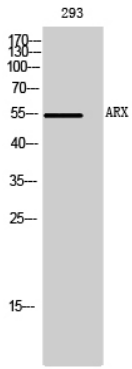
注意事项（Note）

For research use only.

图片（Image Data）



Western blot analysis of ARX Antibody. The lane on the right is blocked with the ARX peptide.



Western Blot analysis of 293 cells using ARX Polyclonal Antibody.

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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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