



ARX Polyclonal Antibody

Catalog No	YP-Ab-15747
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	ARX
Immunogen	Synthesized peptide derived from ARX . at AA range: 250-330
Specificity	ARX Polyclonal Antibody detects endogenous levels of ARX protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	aristaless related homeobox;ARX;Homeobox protein ARX;ISSX;MRX29;MRX32;MRX33;MRX36;MRX38;MRX43;MRX54;MRX76;MRX87;MRXS1;PRTS;Aristaless-related homeobox
Observed Band	55kD
Calculated Molecular Weight	55kD
Cell Pathway	Nucleus .
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.
Function	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, characterize

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],

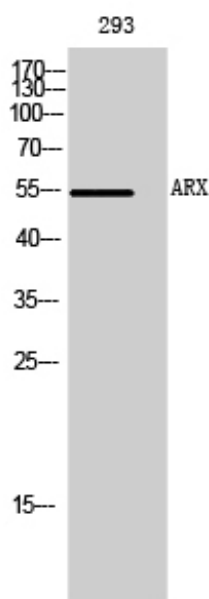
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of 293 cells using ARX Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).

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