

Anti-Human/Mouse/Rat ARX Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA02102

3th Edition

Description: 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. ARX (Aristaless Related Homeobox) is a Protein Coding gene. Diseases associated with ARX include Lissencephaly, X-Linked 2 and Epileptic Encephalopathy, Early Infantile, 1. Among its related pathways are Ectoderm Differentiation. GO annotations related to this gene include chromatin binding and transcriptional repressor activity, RNA polymerase II distal enhancer sequence-specific binding. An important paralog of this gene is RAX.

Antigen: Synthesized peptide derived from the Internal region of human ARX

Form:

How to use: 1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution: PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

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.