

ATRX

IN VITRO DIAGNOSTIC DATASHEET

INTENDED USE : IN VITRO DIAGNOSTIC USE

This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.

DESCRIPTION : 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. ATRX predominately associates with the nuclear matrix during interphase, while during mitosis, ATRX localizes with condensed chromatin. At the onset of the M phase, phosphorylation rapidly induces this redistribution of ATRX to the short arms of human acrocentric chromosomes. It then complexes explicitly with heterochromatin protein 1 α 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 α -thalassemia or ATRX syndrome

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| CATALOG NO : PL2046 | PL2046-R7 | 7 ML RTU 70 TEST |
| | PL2046-R1 | 1 ML RTU 10 TEST |
| STAINING PATTERN : Nuclear | PL2046-1 | 1 ML 1/100 1000 TEST |
| | PL2046-0,1 | 0,1 ML 1/100 100 TEST |
| POSITIVE CONTROL : High-grade glioma | | |

VOLUME : 7 ml Ready to Use (7 ml of antibody prediluted in 0.05mol/L Tris-HCl, pH 7.6 containing stabilizing protein and 0.015mol/L sodium azide.)

HOST : Rabbit

CLONE : PL-23

ANTIBODY CONCENTRATION : Not known

SPECIES REACTIVITY : Human. Others not tested.

MICROBIOLOGICAL STATE : This product is not sterile.

PRETREATMENT : Staining of formalin-fixed tissue sections requires treating the tissue sections in boiling 10mM citrate buffer, pH 6.0, for 10-20 minutes followed by cooling at room temperature for 20 min.

PRIMARY ANTIBODY INCUBATION TIME : 60 minutes at Room Temperature

STAINING TIPS : If the staining is too light, use lower dilution or longer time. If the staining is too strong, check pretreatment, use higher dilution or shorter time.

STORAGE AND STABILITY : This product contains sodium azide and is stable for 24 months when stored at 2-8°C. Do not use after expiration date indicated on label of the product. If reagent is not stored as recommended, performance must be validated by the user.

TROUBLESHOOTING : Please contact Patolab Technical Support by e-mail (patolab@patolab.com.tr).