Recombinant ATRX / RAD54 (Alpha Thalassemia Mental Retardation) Antibody

Rabbit Monoclonal Antibody [Clone ATRX/7309R]

Catalog No	Format	Size
546-RBM9-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
546-RBM9-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
546-RBM9-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

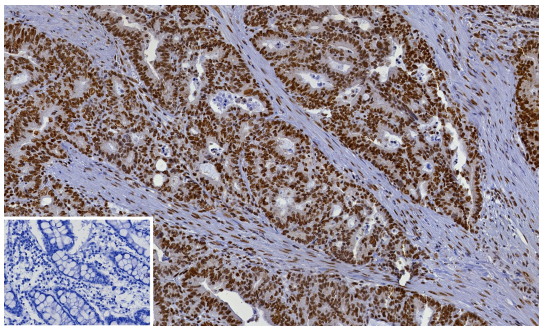
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	ATRX/7309R
Immunogen	Recombinant fragment (around aa2211-2413) of the human ATRX protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	282.58kDa
Cellular Localization	Chromosome, Nucleus, PML body, Telomere
Species Reactivity	Human
Positive Control	Raji, HeLa or A431 cells. Human pancreas, kidney, ovary, prostate or stomach.

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant ATRX / RAD54 (Alpha Thalassemia Mental Retardation) Antibody



Formalin-fixed, paraffin-embedded human colon carcinoma stained with ATRX Recombinant Rabbit Monoclonal Antibody (ATRX/7309R). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

ATRX is a member of the Snf2 family of helicase/ATPases, which contribute to the remodeling of the nucelosome 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. During interphase, ATRX predominately associates with the nuclear matrix, while during mitosis, ATRX localizes with condensed chromatin. At the onset of M phase, phosphorylation rapidly induces this redistribution of ATRX to the short arms of human acrocentric chromosomes, where it then specifically complexes with heterochromatin protein 1 ? 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 ? thalassemia or ATRX syndrome

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.