

Anti-ATRX / RAD54 (Alpha Thalassemia Mental Retardation) Monoclonal Antibody

Catalog Number: M00203

About ATRX

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. 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 thalassemia or ATRX syndrome

Overview

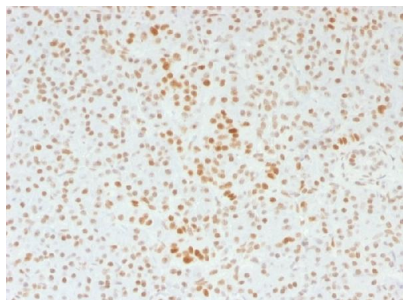
Product Name	Anti-ATRX / RAD54 (Alpha Thalassemia Mental Retardation) Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-ATRX / RAD54 (Alpha Thalassemia Mental Retardation) Monoclonal Antibody (Catalog # M00203). Tested in IHC applications. This antibody reacts with Human.
Conjugate	Biotin
Application	IHC
Clonality	Monoclonal Clone: 39f
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage Instructions	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.
Host	Mouse
Uniprot ID	P46100

Technical Details

Immunogen	Recombinant full-length human ATRX protein
Predicted Reactive Species	Chimpanzee
Isotype	IgG1, kappa
Form	Liquid
Concentration	Purified antibody with BSA and azide at 200ug/ml

Purification	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes 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&degC followed by cooling at RT for 20 minutes)</p> <p>Optimal dilution for a specific application should be determined.</p>

Anti-ATRX / RAD54 (Alpha Thalassemia Mental Retardation) Monoclonal Antibody (M00203) Images



Formalin-fixed, paraffin-embedded human Pancreas stained with Anti-ATRX Mouse Monoclonal Antibody (39f).

1 Publications Citing This Product

1. PubMed ID: -, Co-occurrence of ATRX and IDH Mutations Identify Subgroup of Glioma Patients for Better Survival. Trivedi Trupti, Panchal Kinjal, Bhalala Neha, Jyotishi Charmi, Trivedi Priti, Panchal Harsha, Modi Nikhi

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