

For Research Use Only

ATRX Polyclonal antibody

Catalog Number: 20495-1-AP



Basic Information

Catalog Number: 20495-1-AP	GenBank Accession Number: BC002521	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 287 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 546	Recommended Dilutions: WB 1:500-1:1000 IHC 1:250-1:1000 IF 1:1000-1:4000
Source: Rabbit	UNIPROT ID: P46100	
Isotype: IgG	Full Name: alpha thalassemia/mental retardation syndrome X-linked (RAD54 homolog, S. cerevisiae)	
Immunogen Catalog Number: AG13984	Calculated MW: 2492 aa, 283 kDa	
	Observed MW: 280-300 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB: A549 cells, IHC: rat brain tissue, IF: A549 cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

The α -thalassemia mental retardation X-linked protein (ATRX) is a member of the Switch 2, sucrose non-fermenting 2 (SWI2/SNF2) family of helicases/ATPases that exhibits chromatin remodeling activity. ATRX contains an atypical plant homeodomain (PHD) finger domain that recognizes a combinatorial modification pattern on histone H3 tails. ATRX mutations in cancer are most commonly found in pediatric and adolescent malignancies including glioma, neuroblastoma, adrenocortical carcinoma and osteosarcoma (PMID: 32015155).

Storage

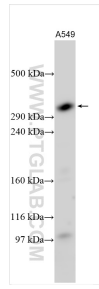
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

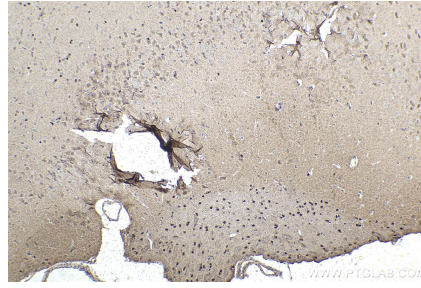
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

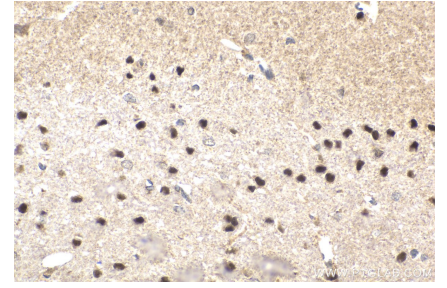
Selected Validation Data



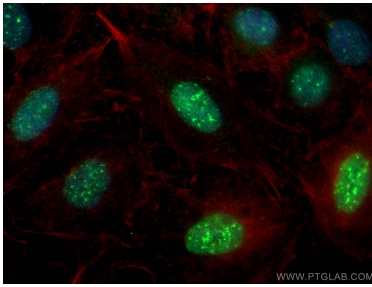
A549 cells were subjected to Tris-Acetate gel system followed by western blot with 20495-1-AP (ATRX antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 20495-1-AP (ATRX antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 20495-1-AP (ATRX antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A549 cells using ATRX antibody (20495-1-AP) at dilution of 1:2000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).