

For Research Use Only

ATAD3A/B Recombinant antibody, PBS Only

Catalog Number: 86461-2-PBS



Basic Information

Catalog Number: 86461-2-PBS	GenBank Accession Number: BC002542	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 83858	CloneNo.: 251342C9
Source: Rabbit	UNIPROT ID: Q5T9A4	
Isotype: IgG	Full Name: ATPase family, AAA domain containing 3B	
Immunogen Catalog Number: AG9836	Calculated MW: 72 kDa	
	Observed MW: 65-70 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

ATAD3 (ATPase family AAA Domain-containing protein 3) is a mitochondrial membrane bound ATPase whose function has not yet been discovered but its role is essential for embryonic development. The analysis of the cellular properties of ATAD3A and ATAD3B in different human cancer cell lines shows on the contrary that they can present anti-proliferative and chemoresistant properties.

Storage

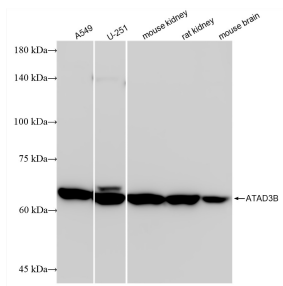
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

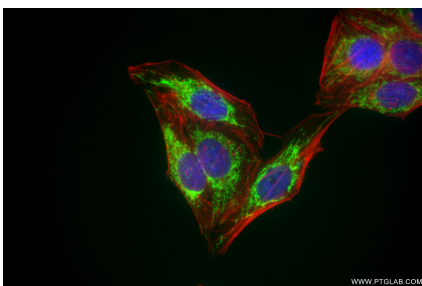
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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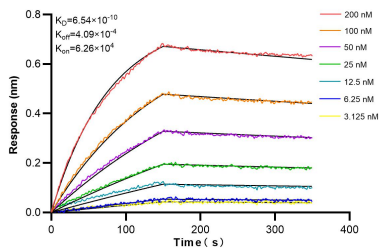
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86461-2-RR (ATAD3B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86461-2-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HEPG2 cells using ATAD3A/B antibody (86461-2-RR, Clone: 251342C9) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 86461-2-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86461-2-RR against Human ATAD3A/B were performed. The affinity constant is 0.654 nM.