

For Research Use Only

ATP8 Polyclonal antibody

Catalog Number: 26723-1-AP **34 Publications**



Basic Information

Catalog Number: 26723-1-AP	GenBank Accession Number: YP_003024030	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 850 µg/ml by Nanodrop and 667 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4509	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	Full Name: ATP synthase 8; ATPase subunit 8	
Isotype: IgG	Calculated MW: 8 kDa	
	Observed MW: 8 kDa	

Applications

Tested Applications: WB, IF, IHC, ELISA	Positive Controls: WB : HEK-293 cells, HepG2 cells, LNCaP cells, rat heart tissue IHC : mouse cerebellum tissue, IF : HepG2 cells,
Cited Applications: WB	
Species Specificity: human, mouse, rat, pig	
Cited Species: human, mouse, zebrafish	
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

ATP8 is a subunit of F₀, the functional domain of mitochondrial ATP synthase or complex V. Mutation of ATP8 has been reported as the cause of apical hypertrophic cardiomyopathy and neuropathy.

Notable Publications

Author	Pubmed ID	Journal	Application
Benedetta Ruzzenente	30252186	Hum Mutat	WB
Ying Shu	36314841	EMBO J	WB
Xiang Zhuang	31628462	Carcinogenesis	WB

Storage

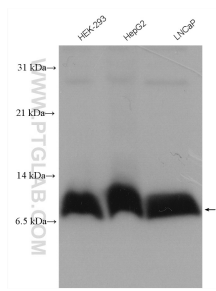
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

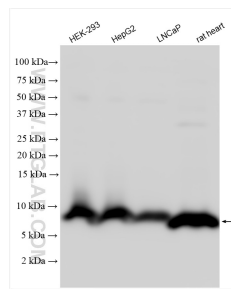
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

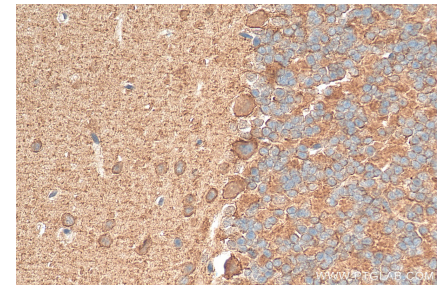
Selected Validation Data



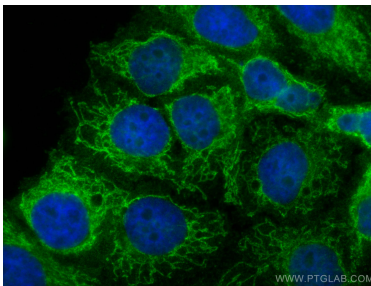
Various lysates were subjected to SDS PAGE followed by western blot with 26723-1-AP (ATP8 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 26723-1-AP (ATP8 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 26723-1-AP (ATP8 antibody) at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using ATP8 antibody (26723-1-AP) at dilution of 1:200 and Coralite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).