

For Research Use Only

FBXL21 Polyclonal antibody

Catalog Number: 21437-1-AP



Basic Information

Catalog Number:	21437-1-AP	GenBank Accession Number:	BC106753	Purification Method:	Antigen affinity purification
Size:	150ul , Concentration: 450 ug/ml by Nanodrop;	GeneID (NCBI):	26223	Recommended Dilutions:	IHC: 1:50-1:500
Source:	Rabbit	UNIPROT ID:	Q3KPF8	IF/ICC:	1:50-1:500
Isotype:	IgG	Full Name:	F-box and leucine-rich repeat protein 21		
Immunogen Catalog Number:	AG16049	Calculated MW:	434 aa, 49 kDa		

Applications

Tested Applications:	IHC, IF/ICC, ELISA	Positive Controls:	
Species Specificity:	human, mouse	IHC :	mouse heart tissue, mouse lung tissue
		IF/ICC :	C2C12 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

FBXL21 (F-box and leucine-rich repeat protein 21) is a member of the F-box protein family, which plays a crucial role in regulating protein degradation through the ubiquitin-proteasome system. FBXL21 has been identified as a regulator in skeletal muscle. It mediates the rhythmic degradation of sarcomere proteins such as TCAP (titin cap) and MYOZ1 (Myozenin1) in conjunction with GSK-3 β (PMID: 36574402).

Storage

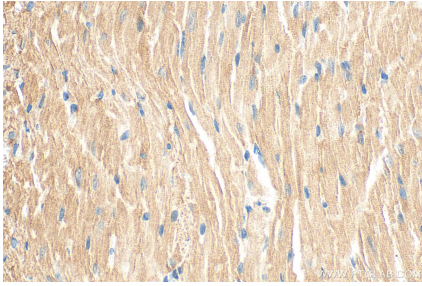
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

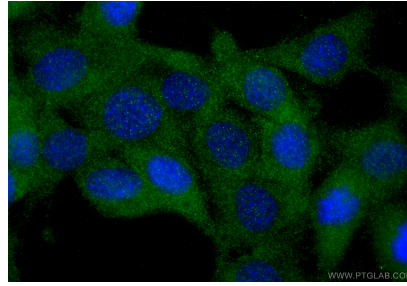
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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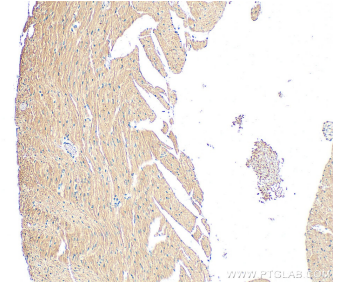
Selected Validation Data



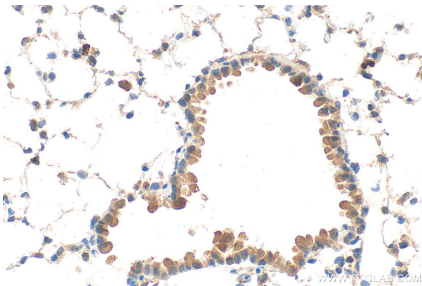
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 21437-1-AP (FBXL21 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed C2C12 cells using FBXL21 antibody (21437-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 21437-1-AP (FBXL21 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 21437-1-AP (FBXL21 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).