

For Research Use Only

FBXL21 Polyclonal antibody

Catalog Number: 21437-1-AP



Basic Information

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

Applications

Tested Applications:	Positive Controls:
IHC, IF/ICC, ELISA	IHC : mouse heart tissue, mouse lung tissue
Species Specificity:	IF/ICC : C2C12 cells,
human, mouse	
Note-IHC: suggested antigen retrieval with <i>TE buffer pH 9.0</i>; (*) Alternatively, antigen retrieval may be performed with <i>citrate buffer pH 6.0</i>	

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
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

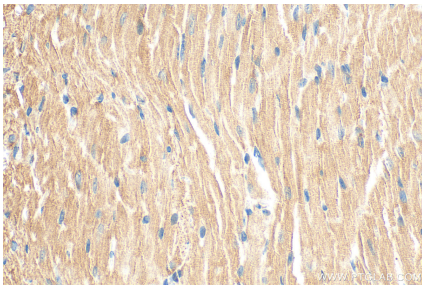
T: 4006900926

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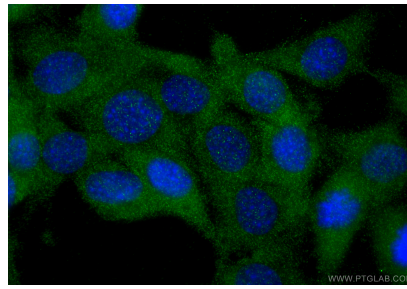
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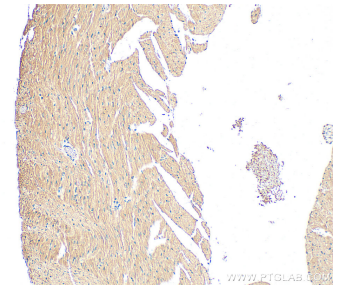
Selected Validation Data



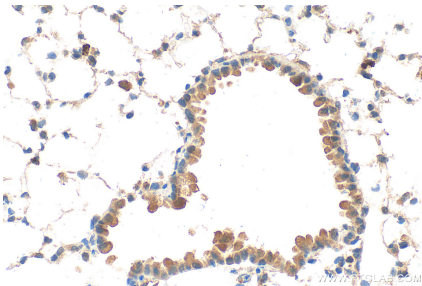
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 21437-1-AP (FBXL21 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).