

For Research Use Only

IREB2 Polyclonal antibody

Catalog Number: 23829-1-AP

Featured Product

14 Publications



Basic Information

Catalog Number: 23829-1-AP	GenBank Accession Number: BC017880	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 200 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3658	Recommended Dilutions: WB 1:200-1:1000 IHC 1:50-1:500 IF 1:20-1:200
Source: Rabbit	Full Name: iron-responsive element binding protein 2	
Isotype: IgG	Calculated MW: 105 kDa	
Immunogen Catalog Number: AG20653	Observed MW: 90-105 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls:
Cited Applications: ColP, IF, IHC, WB	WB : mouse lung tissue, A549 cells, PC-13 cells
Species Specificity: human, mouse	IHC : human spleen tissue, human colon cancer tissue
Cited Species: human, rat, mouse	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

IREB2 is an RNA-binding protein that acts to regulate iron levels in the cells by regulating the translation and stability of mRNAs that affect iron homeostasis under conditions when iron is depleted. When iron levels are low, this protein binds to iron-responsive elements (IRES), stem-loop structures located either in the 5' or 3' UTRs. Binding to the 5' UTR represses translation, while binding to the 3' UTR inhibits mRNA degradation. When iron is found in the cell, this protein is degraded in a F-box and leucine rich repeat protein 5-dependent manner.

Notable Publications

Author	Pubmed ID	Journal	Application
Yujia Li	32947011	Free Radic Biol Med	WB, IF, ColP
Eva Riechert	33979607	Cell Rep	WB
Haipeng Cheng	34175430	Biochim Biophys Acta Mol Basis Dis	WB

Storage

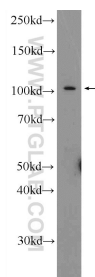
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

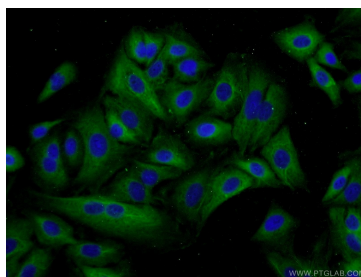
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

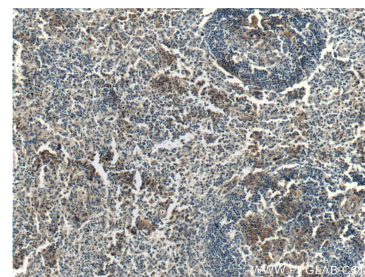
Selected Validation Data



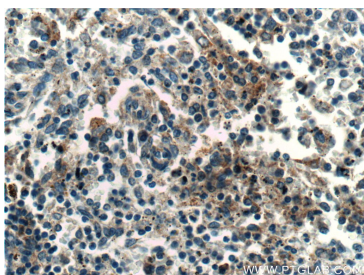
mouse lung tissue were subjected to SDS PAGE followed by western blot with 23829-1-AP (IREB2 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of A549 cells using 23829-1-AP (IREB2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 23829-1-AP (IREB2 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 23829-1-AP (IREB2 antibody) at dilution of 1:200 (under 40x lens).