

ARG67320
anti-IREB2 / IRP2 antibodyPackage: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes IREB2 / IRP2
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IREB2 / IRP2
Species	Human
Immunogen	Recombinant protein of Human IREB2
Conjugation	Un-conjugated
Alternate Names	IRP2; IRP2AD; IRE-BP 2; Iron regulatory protein 2; Iron-responsive element-binding protein 2; ACO3

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50-1:200
	WB	1:500-1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	105 kDa	

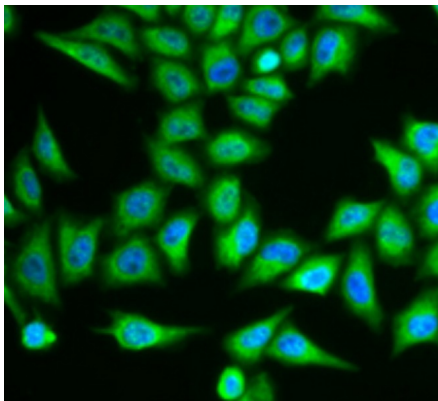
Properties

Form	Liquid
Purification	Affinity purification with immunogen
Buffer	0.42% Potassium phosphate (pH 7.3), 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol.
Preservative	0.01% Sodium azide
Stabilizer	30% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

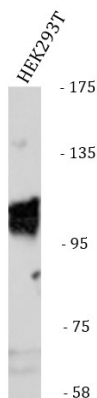
Gene Symbol	IREB2
Gene Full Name	iron-responsive element binding protein 2
Function	RNA-binding protein that binds to iron-responsive elements (IRES), which are stem-loop structures found in the 5'-UTR of ferritin, and delta aminolevulinic acid synthase mRNAs, and in the 3'-UTR of transferrin receptor mRNA. Binding to the IRE element in ferritin results in the repression of its mRNA translation. Binding of the protein to the transferrin receptor mRNA inhibits the degradation of this otherwise rapidly degraded mRNA. [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Metabolism antibody
Calculated Mw	37, 105 kDa
PTM	Ubiquitinated and degraded by the proteasome in presence of high level of iron and oxygen. Ubiquitinated by a SCF complex containing FBXL5. Upon iron and oxygen depletion FBXL5 is degraded, preventing ubiquitination and allowing its RNA-binding activity.

Images



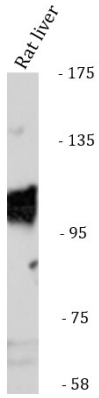
ARG67320 anti-IREB2 / IRP2 antibody ICC/IF image

Immunofluorescence: A549 stained with ARG67320 anti-IREB2 / IRP2 antibody at Cohesion dilution.



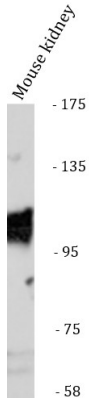
ARG67320 anti-IREB2 / IRP2 antibody WB image

Western blot: HEK293T stained with ARG67320 anti-IREB2 / IRP2 antibody.



ARG67320 anti-IREB2 / IRP2 antibody WB image

Western blot: Rat liver stained with ARG67320 anti-IREB2 / IRP2 antibody.



ARG67320 anti-IREB2 / IRP2 antibody WB image

Western blot: Mouse kidney stained with ARG67320 anti-IREB2 / IRP2 antibody.