

ARG65011 anti-IREB2 / IRP2 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes IREB2 / IRP2
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	IREB2 / IRP2
Species	Human
Immunogen	C-SIHYEGSEYKLSHGS
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
	IHC-P	3 - 6 µg/ml
	WB	1 - 3 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

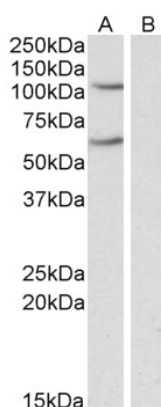
Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
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.

Bioinformation

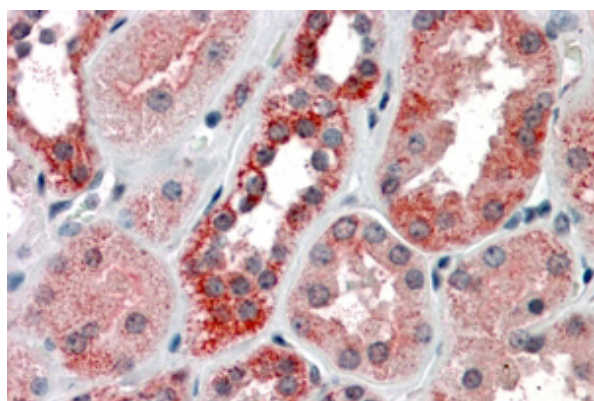
Database links	GeneID: 3658 Human Swiss-port # P48200 Human
Gene Symbol	IREB2
Gene Full Name	iron-responsive element binding protein 2
Function	RNA-binding protein that binds to iron-responsive elements (IRES), which are stem-loop structures found in the 5'-UTR of ferritin, and delta aminolevulinic acid 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	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



ARG65011 anti-IREB2 / IRP2 antibody WB image

Western Blot: Human Liver lysate (35 µg protein in RIPA buffer) stained with ARG65011 anti-IREB2 / IRP2 antibody at 0.3 µg/ml dilution.



ARG65011 anti-IREB2 / IRP2 antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Kidney. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG65011 anti-IREB2 / IRP2 antibody at 3.8 µg/ml dilution followed by AP-staining.