ARG46749
anti-IREB2 / IRP2 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes IREB2 / IRP2
Tested Reactivity	Hu
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IREB2 / IRP2
Species	Human
Immunogen	KLH-conjugated synthetic peptide between 201-230 amino acids from the center region of Human SLC40A1
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
FACS	1:10-1:50
IHC-P	1:10-1:50
WB	~1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

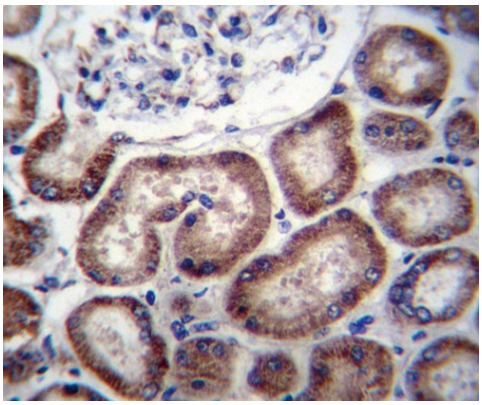
Properties

Form	Liquid
Purification	Affinity purification with immunogen
Buffer	PBS and 0.09% sodium azide
Preservative	0.09% sodium azide
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

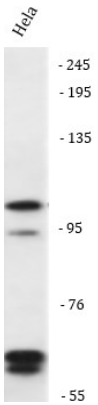
Gene Symbol	IREB2
Gene Full Name	iron-responsive element binding protein 2
Function	RNA-binding protein that binds to iron-responsive elements (IRES), which are stem-loop structures found in the 5'-UTR of ferritin, and delta aminolevulinic acid synthase mRNAs, and in the 3'-UTR of transferrin receptor 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	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



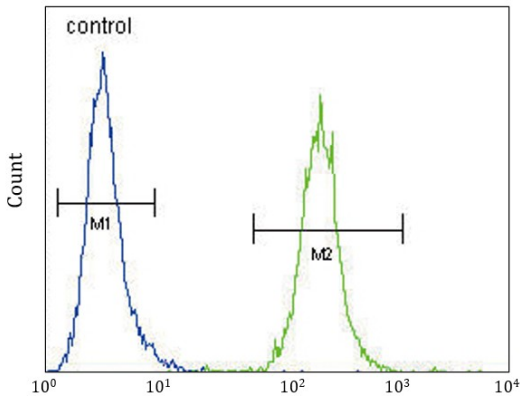
ARG46749 anti-IREB2 / IRP2 antibody IHC-P image

Immunohistochemistry: Human kidney stained with ARG46749 anti-IREB2 / IRP2 antibody.



ARG46749 anti-IREB2 / IRP2 antibody WB image

Western blot: Hela stained with ARG46749 anti-IREB2 / IRP2 antibody.



ARG46749 anti-IREB2 / IRP2 antibody FACS image

Flow Cytometry: Hela stained with ARG46749 anti-IREB2 / IRP2 antibody.