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# ARG46757
# 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 | IHC-Fr, IHC-P |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | IREB2 / IRP2 |
| Species | Human |
| Immunogen | Synthetic peptide 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 |
|---|---|
| IHC-Fr | 1:100-1:500 |
| IHC-P | 1:100-1:500 |

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

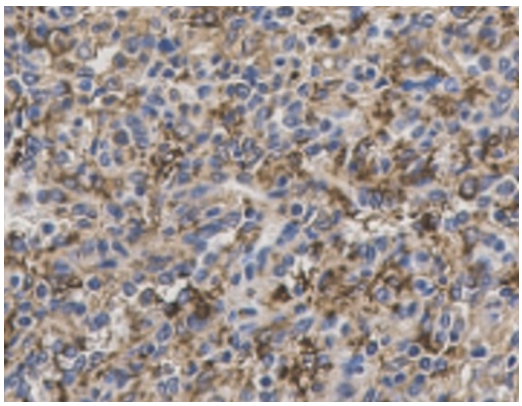
## Properties

| | |
|---|---|
| Form | Liquid |
| Purification | Purification with Protein A |
| Buffer | 0.01M TBS, 0.02% Proclin 300, 50% Glycerol, 1% BSA |
| Preservative | 0.02% Proclin 300 |
| Stabilizer | 50% Glycerol and 1% BSA |
| 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



ARG46757 anti-IREB2 / IRP2 antibody IHC-P image

Immunohistochemistry: Human spleen stained with ARG46757 anti-IREB2 / IRP2 antibody.