10320 Camino Santa Fe, Suite G
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IREB2 / IRP2 Antibody (Internal)

Goat Polyclonal Antibody
Catalog # ALS13377

Specification

IREB2 / IRP2 Antibody (Internal) - Product Information

Application	**WB, IHC**
Primary Accession	P48200
Reactivity	**Human, Monkey, Pig**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**105kDa KDa**

IREB2 / IRP2 Antibody (Internal) - Additional Information

Gene ID 3658

Other Names
Iron-responsive element-binding protein 2, IRE-BP 2, Iron regulatory protein 2, IRP2, IREB2

Target/Specificity
Human IREB2.

Reconstitution & Storage
Store at -20°C. Minimize freezing and thawing.

Precautions
IREB2 / IRP2 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

IREB2 / IRP2 Antibody (Internal) - Protein Information

Name IREB2

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.

Cellular Location
Cytoplasm.

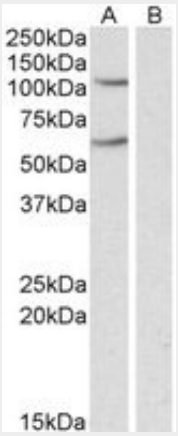
IREB2 / IRP2 Antibody (Internal) - Protocols

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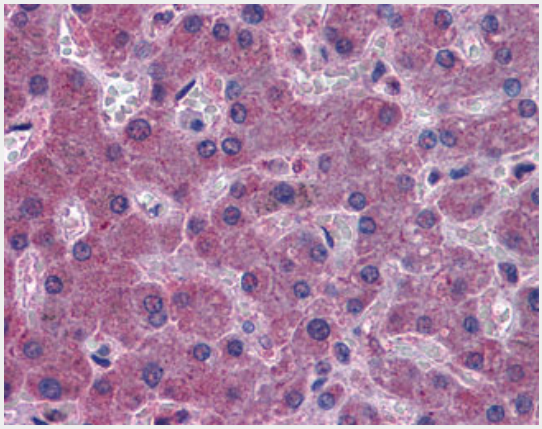
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

IREB2 / IRP2 Antibody (Internal) - Images



IREB2 antibody (0.3 ug/ml) staining of Human Liver lysate (35 ug protein in RIPA buffer).



Anti-IREB2 antibody IHC of human liver.

IREB2 / IRP2 Antibody (Internal) - Background

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.

IREB2 / IRP2 Antibody (Internal) - References

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Ota T.,et al.Nat. Genet. 36:40-45(2004).
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Zody M.C.,et al.Nature 440:671-675(2006).