

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

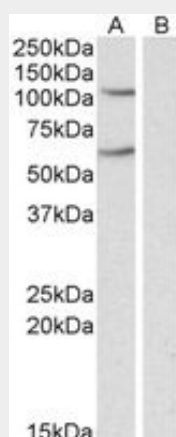
Cytoplasm.

IREB2 / IRP2 Antibody (Internal) - Protocols

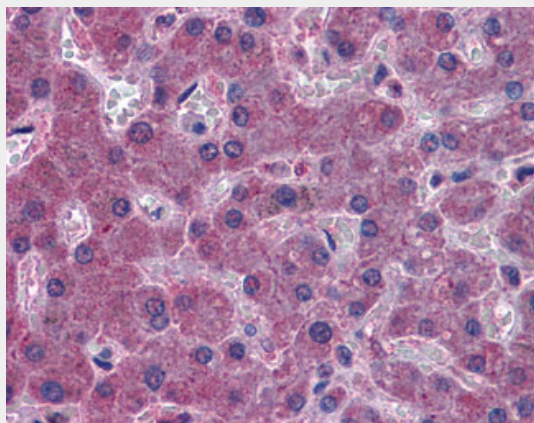
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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

Samaniego F., et al. J. Biol. Chem. 269:30904-30910(1994).

Ishiwata T.,et al.Submitted (SEP-2010) to the EMBL/GenBank/DDBJ databases.

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Totoki Y.,et al.Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.

Zody M.C.,et al.Nature 440:671-675(2006).