

IREB2 / IRP2 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2983a**Specification**

IREB2 / IRP2 Antibody (internal region) - Product Information

Application	WB, IHC
Primary Accession	P48200
Other Accession	NP_004127.1 , 3658 , 64602 (mouse) , 64831 (rat)
Reactivity	Human
Predicted	Mouse, Rat
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	105059

IREB2 / IRP2 Antibody (internal region) - Additional Information**Gene ID** 3658**Other Names**

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

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

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

IREB2 / IRP2 Antibody (internal region) - 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.

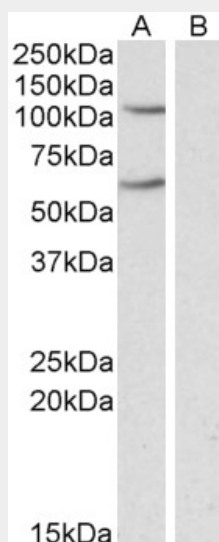
Cellular Location

Cytoplasm.

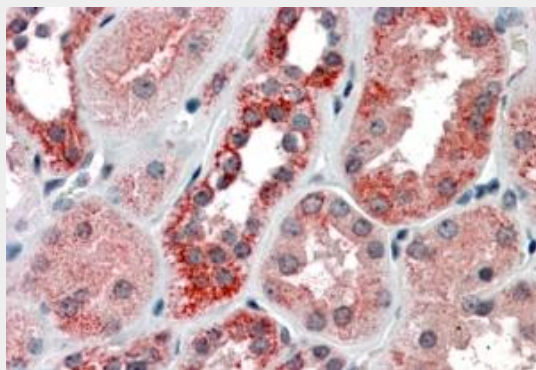
IREB2 / IRP2 Antibody (internal region) - Protocols

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 region) - Images

AF2983a (0.3 $\mu\text{g/ml}$) staining of Human Liver lysate (35 μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF2983a (3.8 $\mu\text{g/ml}$) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

IREB2 / IRP2 Antibody (internal region) - References

Excess capacity of the iron regulatory protein system. Wang W, Di X, D'Agostino RB, Torti SV, Torti FM, The Journal of biological chemistry 2007 Aug 282 (34): 24650-9. PMID: 17604281