

Rabbit IREB2 Polyclonal Antibody | anti-IREB2 antibody

IREB2 Antibody (Center)

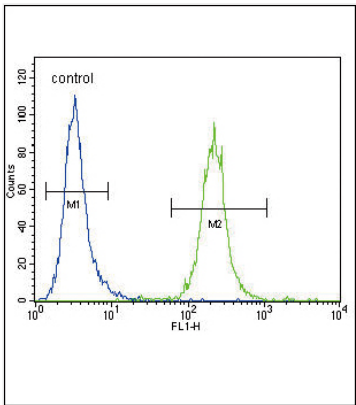
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289676	Rabbit	Human (Predicted Reactivity: Mouse, Pig, Rat)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

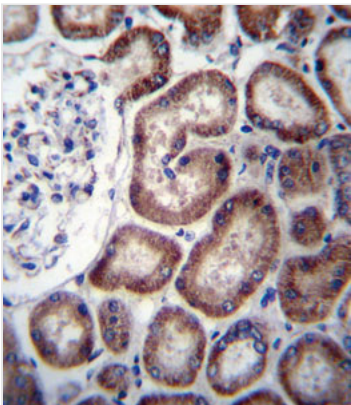
IREB2; Polyclonal Antibody; IREB2 Antibody (Center); Iron-responsive element-binding protein 2; IRE-BP 2; Iron regulatory protein 2; IRP2; anti-IREB2 antibody

PRODUCT SPECIFICATIONS

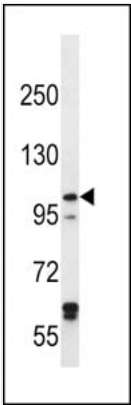
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Pig, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This IREB2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 201-230 amino acids from the Central region of human IREB2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	201-230
Sequence Length	343
Applicable Applications for anti-IREB2 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Calculated MW	105045
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
IREB2 Antibody (Center) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
IREB2 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of IREB2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
IREB2 Antibody (Center) western blot analysis in Hela cell line lysates (35ug/lane). This demonstrates the IREB2 antibody detected the IREB2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-IREB2 antibody	IREB2 is a 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.
Product Categories/Family for anti-IREB2 antibody	Cardiovascular; Metabolism
References	Ucisik-Akkaya, E., et al. Mol. Hum. Reprod. 16(10):770-777(2010) Hansen, H.M., et al. Hum. Mol. Genet. 19(18):3652-3661(2010) Cho, M.H., et al. Nat. Genet. 42(3):200-202(2010) Salahudeen, A.A., et al. Science 326(5953):722-726(2009) DeMeo, D.L., et al. Am. J. Hum. Genet. 85(4):493-502(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	41352693
NCBI GeneID	3658
NCBI Accession #	NP_004127.1
NCBI GenBank Nucleotide #	NM_004136.2

UniProt Accession #	P48200; Q13095; Q1HE21; Q59FQ7; Q8WVK6; Q9UF17; A8KAC7; E1CJT9; H0YKU0
NCBI Official Full Name	iron-responsive element-binding protein 2
NCBI Official Synonym Full Names	iron-responsive element binding protein 2
NCBI Official Symbol	IREB2
NCBI Official Synonym Symbols	ACO3; IRP2; IRP2AD
NCBI Protein Information	iron-responsive element-binding protein 2
UniProt Protein Name	Iron-responsive element-binding protein 2
UniProt Gene Name	IREB2
UniProt Synonym Gene Names	IRE-BP 2; IRP2
UniProt Entry Name	IREB2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ireb2-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/289676>