

**IREB2 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12657c****Specification**

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**IREB2 Antibody (Center) Blocking peptide - Product Information**Primary Accession [P48200](#)**IREB2 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 3658**Other Names**

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

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**IREB2 Antibody (Center) Blocking peptide - 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 Antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**IREB2 Antibody (Center) Blocking peptide - Images**

**IREB2 Antibody (Center) Blocking peptide - Background**

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.

**IREB2 Antibody (Center) Blocking peptide - 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)