

Product datasheet

IRON REGULATORY PROTEIN 1 (IRP1) RABBIT POLYCLONAL ANTIBODY

SKU: MM-0074

50 µL

OVERVIEW

Clonality:

Polyclonal

Host:

Rabbit

Reactivity:

Human, Mouse

Application:

WB

Target:

Iron Regulatory Protein 1 (IRP1)

Target background:

The iron regulatory proteins IRP1 and IRP2 are involved in posttranscriptional regulation of cellular iron metabolism by binding to mRNA iron-responsive elements (IREs). IRPs respond to stress mediators, iron concentration and signaling factors, including nitrogen monoxide, cytokines and hydrogen peroxide. IRP-1 is a bifunctional soluble protein that functions as an IRE-binding protein or as the cytoplasmic isoform of aconitase.

Target alias:

Iron-responsive element-binding proteins, IRE-BP, IRBP, IRP, IFR

Immunogen:

Full length protein

Specificity:

The antibody recognizes the full length IRP1 protein

Clone ID:

Preservative:

None

Format:

Lyophilized serum

Recommend starting dilution:

If reconstituted with deionized water in 50 μ L: WB 1:2000. Optimal dilution has to be determined by the user.

Limitations:

Research Use Only

References:

1.-Fillebeen C - A phosphomimetic mutation at Ser-138 renders iron regulatory protein 1 sensitive to iron-dependent degradation.

Storage:

Lyophilized antibodies can be kept at 4°C for up to 3 months and should be kept at -20°C for long-term storage (2 years). To avoid freeze-thaw cycles, reconstituted antibodies should be aliquoted before freezing for long-term (1 year) storage (-80°C) or kept at 4°C for short-term usage (2 months). For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made with the assay buffer. After the maximum long-term storage period (2 years lyophilized or 1 year reconstituted) antibodies should be tested in your assay with a standard sample to verify if you have noticed any decrease in their efficacy.

Image: