

Anti-IREB2 Antibody [9D1-R] - BSA and Azide free

HA610146



Product Type:	Recombinant Mouse monoclonal IgG1, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	WB
Molecular Wt:	Predicted band size: 105 kDa
Clone number:	9D1-R

Description: 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.

Immunogen: Recombinant protein within human IREB2 aa 1-963.

Positive control: Jurkat cell lysate, A549 cell lysate, Mouse liver tissue lysate, Mouse kidney tissue lysate, Mouse heart tissue lysate, Rat liver tissue lysate.

Subcellular location: Cytoplasm.

Database links: SwissProt: P48200 Human | Q811J3 Mouse | Q62751 Rat

Recommended Dilutions:

WB 1:2,000

Storage Buffer: 1*PBS (pH7.4).

Storage Instruction: Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

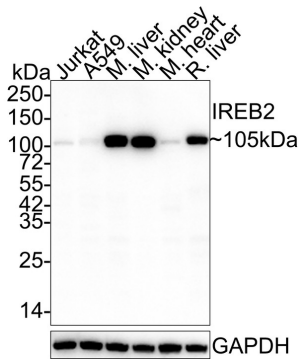
Technical:0086-571-89986345

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Images

Fig1: Western blot analysis of IREB2 on different lysates with Mouse anti-IREB2 antibody (HA610146) at 1/2,000 dilution.



Lane 1: Jurkat cell lysate (20 µg/Lane)

Lane 2: A549 cell lysate (20 µg/Lane)

Lane 3: Mouse liver tissue lysate (40 µg/Lane)

Lane 4: Mouse kidney tissue lysate (40 µg/Lane)

Lane 5: Mouse heart tissue lysate (40 µg/Lane)

Lane 6: Rat liver tissue lysate (40 µg/Lane)

Predicted band size: 105 kDa

Observed band size: 105 kDa

Exposure time: 25 seconds;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDN/TBST for 1 hour at room temperature. The primary antibody (HA610146) at 1/2,000 dilution was used in 5% NFDN/TBST at 4°C overnight. Anti-Mouse IgG for IP Nano-secondary antibody (NBI02H) at 1/5,000 dilution was used for 1 hour at room temperature.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Samaniego F. et. al. Molecular characterization of a second iron-responsive element binding protein, iron regulatory protein 2. Structure, function, and post-translational regulation. J. Biol. Chem. 269:30904-30910(1994).

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