abcam

Product datasheet

Anti-IREB2/IRP2 antibody ab80339

2 References 2 图像

概述

产品名称	Anti-IREB2/IRP2抗体
描述	兔多克隆抗体to IREB2/IRP2
宿主	Rabbit
经测试应用	**适用于:** WB, ELISA
种属反应性	**与反应:** Human **预测可用于:** Mouse, Rat, Rabbit, Horse, Guinea pig, Cat, Dog, Pig, Caenorhabditis elegans, Zebrafish
免疫原	Synthetic peptide: QVIQINLNSI VPSVSGPKRP QDRVAVTDMK SDFQACLNEK VGFKGFQIAA, corresponding to amino acids 432-481 of Human IREB2 Run BLAST with ExPASy Run BLAST with NCBI
阳性对照	Fetal liver lysate

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.09% Sodium azide Constituents: 2% Sucrose, PBS
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee Abpromise™承诺保证使用ab80339于以下的经测试应用

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明

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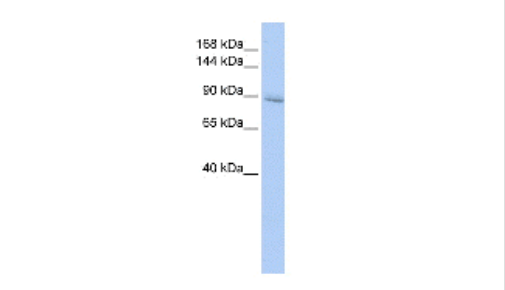
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 105 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.
ELISA		Use at an assay dependent concentration. ELISA titre using peptide based assay: 1/312500.

靶标

功能	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.
序列相似性	Belongs to the aconitase/IPM isomerase family.
翻译后修饰	Ubiquitinated and degraded by the proteasome in presence of high level of iron and oxygen. Ubiquitinated by a SCF complex containing FBXL5. Upon iron and oxygen depletion FBXL5 is degraded, preventing ubiquitination and allowing its RNA-binding activity.
细胞定位	Cytoplasm.

图片



Western blot - Anti-IREB2 antibody (ab80339)

Anti-IREB2/IRP2 antibody (ab80339) at 1 µg/ml + Fetal liver lysate at 10 µg

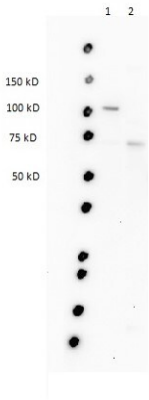
Secondary

HRP conjugated anti-Rabbit IgG at 1/50000 dilution

Predicted band size: 105 kDa

Observed band size: 105 kDa

Gel concentration: 6-18%



Western blot - Anti-IREB2 antibody (ab80339)

All lanes : Anti-IREB2/IRP2 antibody (ab80339) at 2 µg/ml

Lane 1 : IREB2 overexpression lysate at 40 µg/ml
Lane 2 : Empty vector

Secondary
Lane 1 : HRP conjugated Rabbit IgG

Predicted band size: 105 kDa

Blocking buffer: 3% milk, 0.05% TBST

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