

Anti-IREB2 [IREB2-46-18-1]

Catalogue number: 153778

Sub-type: Primary antibody

Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-IREB2 [IREB2-46-18-1]

Alternate name: Iron regulatory protein 2 (IREB2)

Class: Monoclonal

Conjugate: Unconjugated

Description: Monoclonal antibody which binds IREB2, involved in iron homeostasis. Background and Research Application IREB2 (iron regulatory protein 2) is an RNA binding protein and a central regulator of cellular iron homeostasis. This protein regulates iron levels in the cells by regulating the translation and stability of mRNAs that affect iron homeostasis under conditions when iron is depleted. In humans IREB2 polymorphism is linked to chronic obstructive pulmonary disease (COPD), lung cancer and Alzheimer's disease. IREB2-null mice suffer from anaemia, abnormal body iron distribution, and neurodegeneration. IREB2 also plays various roles in cancer.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG2a

Reactivity: Mouse

Selectivity:

Host: Rat

Immunogen: Full length His-tagged IREB2 of mouse origin, produced in E. coli

Immunogen UNIPROT ID: Q811J3

Sequence:

Growth properties:

Production details:

Supernatant containing the monoclonal antibody is obtained from culturing the hybridoma

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: IREB2, Uniprot ID:Q811J3

Target alternate names:

Target background: Monoclonal antibody which binds IREB2, involved in iron homeostasis.

Background and Research Application IREB2 (iron regulatory protein 2) is an RNA binding protein and a central regulator of cellular iron homeostasis. This protein regulates iron levels in the cells by regulating the translation and stability of mRNAs that affect iron homeostasis under conditions when iron is depleted. In humans IREB2 polymorphism is linked to chronic obstructive pulmonary disease (CPOD), lung cancer and Alzheimer's disease. IREB2-null mice suffer from anaemia, abnormal body iron distribution, and neurodegeneration. IREB2 also plays various roles in cancer.

Molecular weight:

Ic50:

Applications

Application: ELISA ; IP ; WB

Application notes:

Handling

Format: Liquid

Concentration: 1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: Cell Culture Supernatant with 0.02% Sodium Azide

Storage conditions: Store at -20° C frozen. Avoid repeated freeze / thaw cycles

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References:

CancerTools.org