

Anti-Rheb [Rheb 3H6]

Catalogue number: 151544

Sub-type: Primary antibody

Images:

Contributor

Inventor:

Institute: The Institute of Cancer Research

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Rheb [Rheb 3H6]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: Monoclonal antibody which binds the Rheb GTP binding protein, and can be used to help understand the role of Rheb in mTORC signalling.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: Human Rheb GST fusion

Immunogen UNIPROT ID: Q15382

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Rheb

Target alternate names:

Target background: Rheb (Ras homolog enriched in brain) is an evolutionarily conserved member of the Ras superfamily of small GTP binding proteins. Rheb is expressed at high levels in the brain, but is also found in many other tissues, and can be induced by growth factor stimulation. It is ubiquitously expressed in humans and other mammals. Rheb triggers activation of the Raf-MEK-MAPK pathway and has an important role in regulating the insulin/Target of rapamycin (TOR) signalling pathway, and the cell cycle. Rheb stimulates the phosphorylation of S6K1 and EIF4EBP1 through activation of mTORC1 signalling. Overexpression of Rheb can be seen in multiple human carcinomas.

Molecular weight:

Ic50:

Applications

Application: IP ; WB

Application notes:

Handling

Format: Liquid

Concentration: 1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% 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: Liu et al. 2017. Exp Ther Med. 14(4):3880-3886. PMID: 29042996. ; Marsh et al. 2008. Cancer Res. 68(9):3295-303. PMID: 18451156. ; alpha vbeta 6 Integrin promotes the invasion of morphoeic basal cell carcinoma through stromal modulation.

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