

Anti-BARA/LIN-9 [mAb#1]

Catalogue number: 156375

Sub-type:

Images:

Contributor

Inventor:

Institute: University of Illinois Chicago

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-BARA/LIN-9 [mAb#1]

Alternate name: BARA, BARPsv, Lin-9, TGS, TGS1, TGS2 or lin-9 DREAM MuvB core complex component

Class: Monoclonal

Conjugate: Unconjugated

Description: LIN-9 regulates cell transformation and proliferation in mammalian cells by inhibiting DNA synthesis. LIN-9 is inhibited by the regulatory subunit of CDK4, cyclin D. Deletion of the first 84 amino acids of Mip/LIN-9 (Mip/LIN-9 Δ 1-84) corrects the CDK4 null phenotype. Therefore, Mip/LIN-9, like the pocket proteins pRB, p107 and p130, is negatively regulated by CDK4. Moreover, the correction of the CDK4 null phenotype is accompanied by a restoration of the expression of genes such as E2F1, E2F3, and cyclin E suggesting that Mip/LIN-9 participates in the regulation of E2F target genes required for the G1/S transition.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype:

Reactivity: Rat ; Human ; Mouse

Selectivity:

Host: Mouse

Immunogen: full-length GST-BARA/LIN9-L fusion protein

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: IgG1

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: b-Chain Associated Regulator of Apoptosis

Target alternate names:

Target background: LIN-9 regulates cell transformation and proliferation in mammalian cells by inhibiting DNA synthesis. LIN-9 is inhibited by the regulatory subunit of CDK4, cyclin D. Deletion of the first 84 amino acids of Mip/LIN-9 (Mip/LIN-9Δ1-84) corrects the CDK4 null phenotype. Therefore, Mip/LIN-9, like the pocket proteins pRB, p107 and p130, is negatively regulated by CDK4. Moreover, the correction of the CDK4 null phenotype is accompanied by a restoration of the expression of genes such as E2F1, E2F3, and cyclin E suggesting that Mip/LIN-9 participates in the regulation of E2F target genes required for the G1/S transition.

Molecular weight:

Ic50:

Applications

Application: FACS ; IP ; WB

Application notes:

Handling

Format: Liquid

Concentration:

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: 295587871 ; Fekete et al. 2019. Neuroscience. 405:35-46. PMID: 29522854. ; Scaringi et al. 2012. Anticancer Res. 32(10):4213-23. PMID: 23060541. ; Youmans et al. 2012. Mol Neurodegener. 7:8. PMID: 22423893. ; Youmans et al. 2012. Mol Neurodegener. 7:8. PMID: 22423893.

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