Anti-BARA/LIN-9

Catalogue number: 156379
Sub-type:
Images:

Contributor

Inventor:
Institute: University of Illinois Chicago
Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-BARA/LIN-9

Alternate name: BARA/LIN-9

Class: Polyclonal
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-9Ä?Ë???Â???Â?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: Human
Selectivity:
Host: Rabbit
Immunogen: Synthetic peptide (amino acids 420Ä?Ë???Â???Â?434)
Immunogen UNIPROT ID:
Sequence:
Growth properties:
Production details:

Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: b-Chain Associated Regulator of Apoptosis (BARA)/LIN-9

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-9Ä?Ë???Â???Â?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: WB ; FACS ; ELISA
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: Thirugnanam et al. 2007. Exp Parasitol. 116(4):483-91. PMID: 17442307.