proteintech®
Antibodies | ELISA kits | Proteins

For Research Use Only

IHC*easy* RPRD1A/P15RS Ready-To-Use IHC Kit

Catalog Number: KHC2812

General Information

Sample type:
FFPE tissue

Cited sample type:

Reactivity:
Human, Mouse, Rat

Cited Reactivity:

Assay type:
Immunohistochemistry

Primary antibody type:
Rabbit Polyclonal

Secondary antibody type:
Polymer-HRP-Goat anti-Rabbit

Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

Background

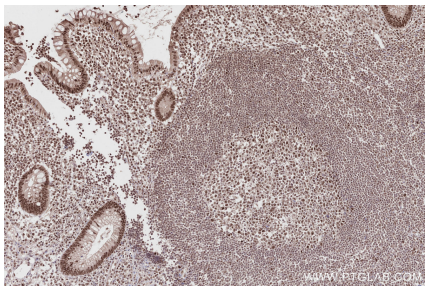
RPRD1A is upregulated in cells overexpressing cyclin-dependent kinase inhibitor p15(INK4b) and may have a role in cell cycle regulation. It contains a RAR domain that is involved in regulation of nuclear pre-mRNA, which suggests that P15RS may act as a nuclear regulation protein. It also interacts with phosphorylated C-terminal heptapeptide repeat domain (CTD) of the largest RNA polymerase II subunit POLR2A, and participates in dephosphorylation of the CTD. Besides, RPRD1A regulates cell cycle genes and attenuates WNT signaling and acts as a negative regulator of cyclin-D1 (CCND1) and cyclin-E (CCNE1) in the cell cycle.

Synonyms

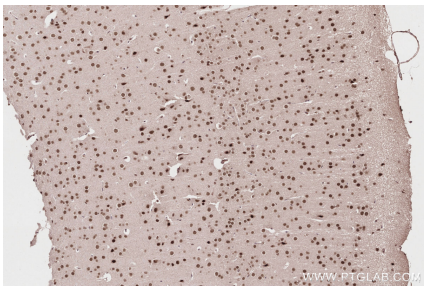
RPRD1A, Cyclin-dependent kinase inhibitor 2B-related protein, HsT3101, p15INK4B related protein, p15INK4B-related protein

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

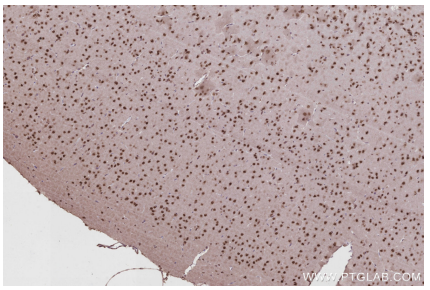
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using KHC2812 (RPRD1A/P15RS IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using KHC2812 (RPRD1A/P15RS IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using KHC2812 (RPRD1A/P15RS IHC Kit).