

## **RPAIN Antibody (N-term)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP16641A

# **Specification**

## **RPAIN Antibody (N-term) - Product Information**

Application WB,E
Primary Accession O86UA6

Other Accession <u>NP\_001153715.1</u>, <u>NP\_001028174.2</u>

Reactivity
Host
Clonality
Polyclonal
Isotype
Calculated MW
Antigen Region

Human
Rabbit
Polyclonal
Rabbit IgG
24770
16-44

### **RPAIN Antibody (N-term) - Additional Information**

#### **Gene ID 84268**

### **Other Names**

RPA-interacting protein, hRIP, RPAIN, RIP

### Target/Specificity

This RPAIN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 16-44 amino acids from the N-terminal region of human RPAIN.

# **Dilution**

WB~~1:1000

## **Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

### Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

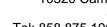
# **Precautions**

RPAIN Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

# **RPAIN Antibody (N-term) - Protein Information**

# **Name RPAIN**

Synonyms RIP





Function Mediates the import of RPA complex into the nucleus, possibly via some interaction with importin beta. Isoform 2 is sumoylated and mediates the localization of RPA complex into the PML body of the nucleus, thereby participating in RPA function in DNA metabolism.

#### **Cellular Location**

[Isoform 1]: Cytoplasm. Nucleus.

#### **Tissue Location**

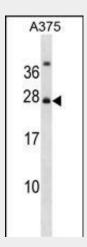
Widely expressed. Expressed in pancreas, kidney, muscle, liver, lung, placenta, brain, heart, leukocytes, colon, intestine, ovary, testis, prostate, thymus and spleen

# **RPAIN Antibody (N-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## RPAIN Antibody (N-term) - Images



RPAIN Antibody (N-term) (Cat. #AP16641a) western blot analysis in A375 cell line lysates (35ug/lane). This demonstrates the RPAIN antibody detected the RPAIN protein (arrow).

## RPAIN Antibody (N-term) - Background

RPAIN mediates the import of RPA complex into the nucleus, possibly via some interaction with importin beta. Isoform 2 is sumoylated and mediates the localization of RPA complex into the PML body of the nucleus, thereby participating in RPA function in DNA metabolism.

# **RPAIN Antibody (N-term) - References**

Davila, S., et al. Genes Immun. 11(3):232-238(2010) Dagle, J.M., et al. Pediatrics 123(4):1116-1123(2009) Lamesch, P., et al. Genomics 89(3):307-315(2007)





Park, J., et al. Mol. Cell. Biol. 25(18):8202-8214(2005) Chen, J.Z., et al. DNA Cell Biol. 24(7):464-469(2005)