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Quantity:	100 μL
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Target:	RPAIN
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPAIN antibody is un-conjugated
Application:	Western Blotting (WB)

## **Product Details**

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human RPAIN
Sequence:	VVCQCGLSIP SHSSELTEQK LRACLEGSIN EHSAHCPHTP EFSVTGGTEE
Predicted Reactivity:	Cow: 85%, Guinea Pig: 86%, Horse: 93%, Human: 100%, Mouse: 79%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against RPAIN. It was validated on Western Blot.
Purification:	Affinity Purified

# Target Details

Target:	RPAIN
Alternative Name:	RPAIN (RPAIN Products)
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.
	Alias Symbols: FLJ25625, FLJ30490, FLJ42429, HRIP, MGC4189, RIP
	Protein Interaction Partner: CDCA5, GSTA1, CYP17A1, ADH6, UBC,
	Protein Size: 219
Molecular Weight:	25 kDa
Gene ID:	84268
NCBI Accession:	NM_001033002, NP_001028174

**Application Details** 

Q86UA6

Protein targeting to Nucleus

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 219 AA
Restrictions:	For Research Use only

# Handling

UniProt:

Pathways:

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



## **Western Blotting**

**Image 1.** WB Suggested Anti-RPAIN Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: 293T cell lysate RPAIN is supported by BioGPS gene expression data to be expressed in HEK293T

### **Western Blotting**

Image 2. WB Suggested Anti-RPAIN

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:.2500

Positive Control:.93T cell lysate

RPAIN is supported by BioGPS gene expression data to be expressed in HEK293T