

**DATASHEET**

**USP4 Rabbit Polyclonal Antibody**

CAT. NO. APA14102

**KEY FEATURES**

Target	USP4	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

**BACKGROUND**

Deubiquitinating enzyme that removes conjugated ubiquitin from target proteins . Deubiquitinates PDPK1 . Deubiquitinates TRIM21 . Deubiquitinates receptor ADORA2A which increases the amount of functional receptor at the cell surface . Deubiquitinates HAS2 . Deubiquitinates MAVs leading to maintain MAVS protein stability, resulting in increased production of type I interferons (IFN-I) and enhanced antiviral innate immune responses against viral infections . Deubiquitinates RHEB in response to EGF signaling, promoting mTORC1 signaling . May regulate mRNA splicing through deubiquitination of the U4 spliceosomal protein PRPF3 . This may prevent its recognition by the U5 component PRPF8 thereby destabilizing interactions within the U4/U6.U5 snRNP .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

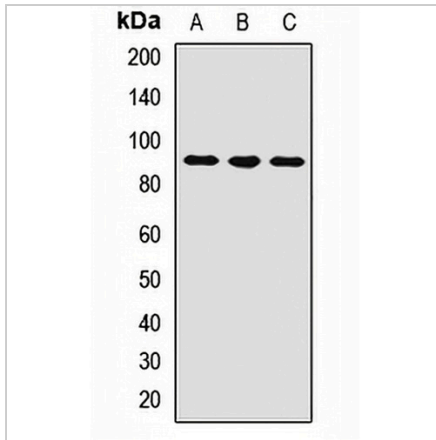
Description	Rabbit polyclonal antibody to USP4
Specificity	Recognizes endogenous levels of USP4 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human USP4
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 35; Observed: 95 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	UNP; UNPH; Ubiquitin carboxyl-terminal hydrolase 4; Deubiquitinating enzyme 4; Ubiquitin thioesterase 4; Ubiquitin-specific-processing protease 4; Ubiquitous nuclear protein homolog
Gene Symbol	USP4
Entrez Gene	7375(Human); 22258(Mouse); 290864(Rat)
SwissProt	Q13107(Human); P35123(Mouse); B2GUZ1(Rat)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of USP4 expression in A549 (A), mouse brain (B), mouse kidney (C) whole cell lysates. (Predicted band size: 35; 103; 108 kD; Observed band size: 95 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.