

**DATASHEET**

**USP10 Rabbit Polyclonal Antibody**

CAT. NO. APA13771

**KEY FEATURES**

Target	USP10	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**

Hydrolase that can remove conjugated ubiquitin from target proteins such as p53/TP53, RPS2/us5, RPS3/us3, RPS10/eS10, BECN1, SNX3 and CFTR . Acts as an essential regulator of p53/TP53 stability: in unstressed cells, specifically deubiquitinates p53/TP53 in the cytoplasm, leading to counteract MDM2 action and stabilize p53/TP53 . Following DNA damage, translocates to the nucleus and deubiquitinates p53/TP53, leading to regulate the p53/TP53-dependent DNA damage response . Component of a regulatory loop that controls autophagy and p53/TP53 levels: mediates deubiquitination of BECN1, a key regulator of autophagy, leading to stabilize the PIK3C3/VPS34-containing complexes .

**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**

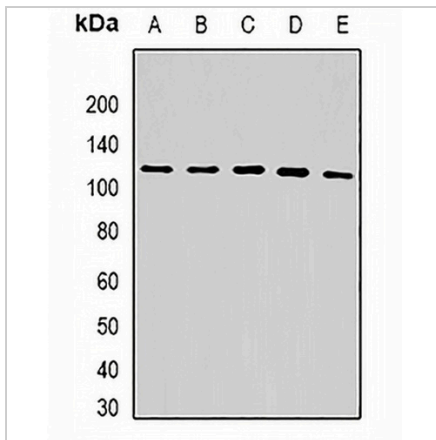
Description	Rabbit polyclonal antibody to USP10
Specificity	Recognizes endogenous levels of USP10 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human USP10
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 87; Observed: 110 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	KIAA0190; Ubiquitin carboxyl-terminal hydrolase 10; Deubiquitinating enzyme 10; Ubiquitin thioesterase 10; Ubiquitin-specific-processing protease 10
Gene Symbol	USP10
Entrez Gene	9100(Human); 22224(Mouse); 307905(Rat)
SwissProt	Q14694(Human); P52479(Mouse); Q3KR59(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 USP10 expression in HepG2 (A), A549 (B), mouse liver (C), mouse kidney (D), rat brain (E) whole cell lysates. (Predicted band size: 87; 92 kD; Observed band size: 110 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.