

DATASHEET

USP12 Rabbit Polyclonal Antibody

CAT. NO. APA17257

KEY FEATURES

Target	USP12	Source / Host	Rabbit
Reactivity	Human, Mouse	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 plays various roles in the regulation of the immune response and inflammation . During TCR engagement and activation, translocates into the cytoplasm and deubiquitinates its substrates LAT and TRAF1 and prevents their lysosome-dependent degradation to stabilize the TCR signaling complex at the plasma membrane . Plays an essential role in the selective LPS-induced macrophage response through the activation of NF-kappa-B pathway . In addition, promotes that antiviral immune response through targeting DNA sensor IFI16 to inhibit its proteasome-dependent degradation .

APPLICATION

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

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

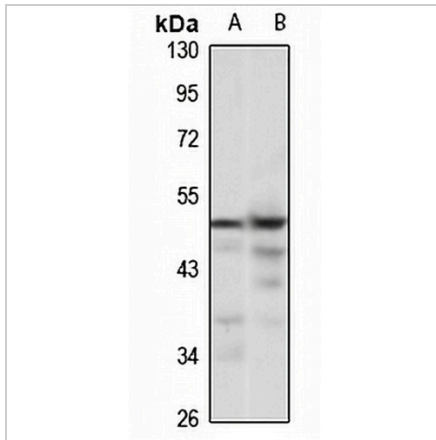
Description	Rabbit polyclonal antibody to USP12
Specificity	Recognizes endogenous levels of USP12 protein
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide of human USP12. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 42 kD; Observed: 50 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	UBH1; USP12L1; Ubiquitin carboxyl-terminal hydrolase 12; Deubiquitinating enzyme 12; Ubiquitin thioesterase 12; Ubiquitin-hydrolyzing enzyme 1; Ubiquitin-specific-processing protease 12
Gene Symbol	USP12
Entrez Gene	219333(Human); 22217(Mouse)
SwissProt	O75317(Human); Q9D9M2(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact 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 USP12 expression in A549 (A), mouse brain (B) whole cell lysates.
(Predicted band size: 42 kD; Observed band size: 50 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.