

DATASHEET

USP35 Rabbit Polyclonal Antibody

CAT. NO. APA08485

KEY FEATURES

Target	USP35	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IF/ICC	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

Deubiquitinase that plays a role in different processes including cell cycle regulation, mitophagy or endoplasmic reticulum stress . Inhibits TNFalpha-induced NF-kappa-B activation through stabilizing TNIP2 protein via deubiquitination . Plays an essential role during mitosis by deubiquitinating and thereby regulating the levels of Aurora B/AURKB protein . In addition, regulates the protein levels of other key component of the chromosomal passenger complex (CPC) such as survivin/BIRC5 or Borealin/CDCA8 by enhancing their stability . Regulates the degradation of mitochondria through the process of autophagy termed mitophagy .

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
IF/ICC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to USP35
Specificity	Recognizes endogenous levels of USP35 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human USP35. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 113 kD; Observed: 113 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	KIAA1372; USP34; Ubiquitin carboxyl-terminal hydrolase 35; Deubiquitinating enzyme 35; Ubiquitin thioesterase 35; Ubiquitin-specific-processing protease 35
Gene Symbol	USP35
Entrez Gene	57558(Human)
SwissProt	Q9P2H5(Human)

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

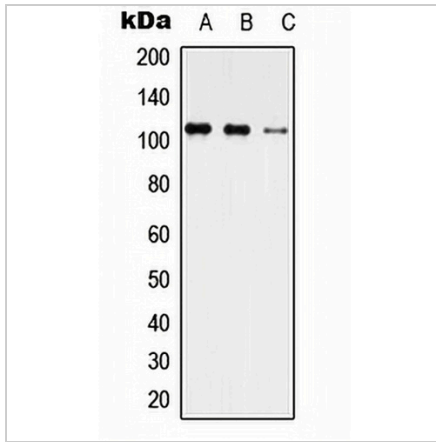
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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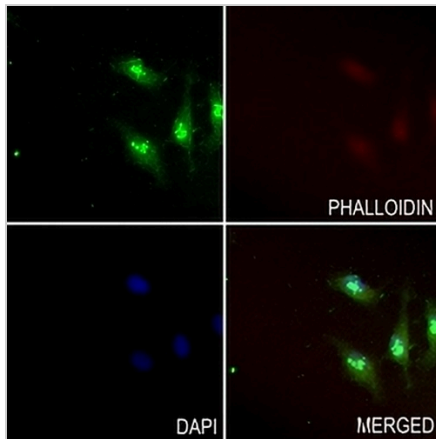
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DATA



Western blot analysis of USP35 expression in HEK293T (A), Raw264.7 (B), H9C2 (C) whole cell lysates. (Predicted band size: 113 kD; Observed band size: 113 kD)



Immunofluorescent analysis of USP35 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AREX® Fluor 488 -conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AREX® Fluor 594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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.