

DATASHEET

USP25 Rabbit Polyclonal Antibody

CAT. NO. APA13200

KEY FEATURES

Target	USP25	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IHC	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 hydrolyzes ubiquitin moieties conjugated to substrates and thus, functions in various biological processes including inflammation and immune response . Modulates the Wnt/beta-catenin pathway by deubiquitinating and stabilizing tankyrases TNKS1 and TNKS2 . Regulates KEAP1-NRF2 axis in the defense against oxidative assaults by deubiquitinating KEAP1 and protecting it from degradation leading to degradation of the NRF2 transcription factor that is responsible for mounting an anti-oxidation gene expression program . Positively regulates RNA virus-induced innate signaling by interacting with and deubiquitinating ERLIN1 and ERLIN2 . In turn, restricts virus production by regulating cholesterol biosynthetic flux .

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
IHC	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 USP25
Specificity	Recognizes endogenous levels of USP25 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human USP25
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 122; Observed: 130 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	USP21; Ubiquitin carboxyl-terminal hydrolase 25; Deubiquitinating enzyme 25; USP on chromosome 21; Ubiquitin thioesterase 25; Ubiquitin-specific-processing protease 25
Gene Symbol	USP25
Entrez Gene	29761(Human); 30940(Mouse)
SwissProt	Q9UHP3(Human); P57080(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.

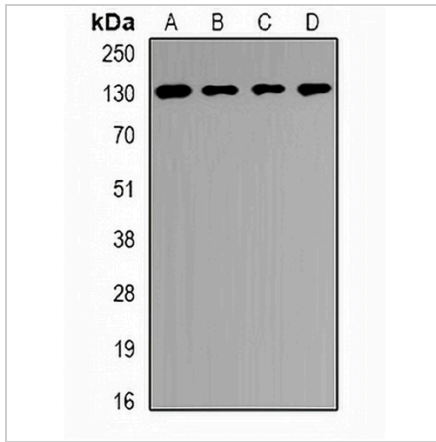
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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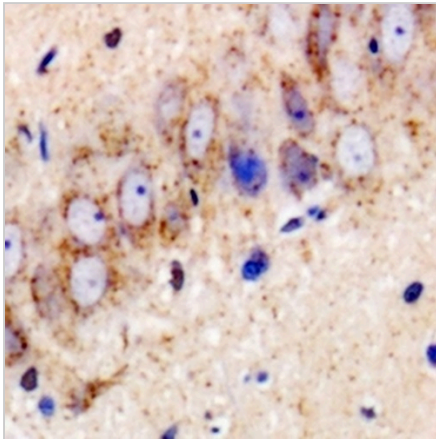
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DATA



Western blot analysis of USP25 expression in SKOV3 (A), PC12 (B), mouse brain (C), mouse liver (D) whole cell lysates. (Predicted band size: 122; 125; 129 kD; Observed band size: 130 kD)



Immunohistochemical analysis of USP25 staining in mouse brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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.