

DATASHEET

USP14 Mouse Monoclonal Antibody(C3820)

CAT. NO. AMA03432

KEY FEATURES

Target	USP14	Source / Host	Mouse
Reactivity	Human, Mouse, Rat	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Proteasome-associated deubiquitinase which releases ubiquitin from the proteasome targeted ubiquitinated proteins . Ensures the regeneration of ubiquitin at the proteasome . Is a reversibly associated subunit of the proteasome and a large fraction of proteasome-free protein exists within the cell . Required for the degradation of the chemokine receptor CXCR4 which is critical for CXCL12-induced cell chemotaxis . Also serves as a physiological inhibitor of endoplasmic reticulum-associated degradation (ERAD) under the non-stressed condition by inhibiting the degradation of unfolded endoplasmic reticulum proteins via interaction with ERN1 . Indispensable for synaptic development and function at neuromuscular junctions (NMJs) .

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

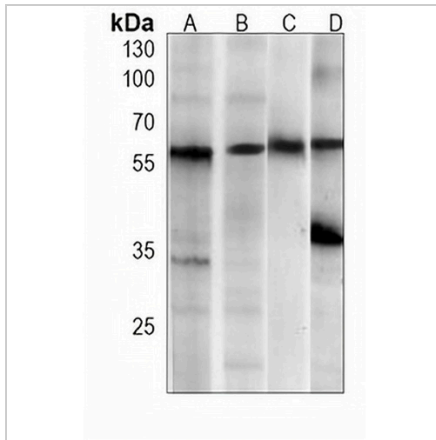
Description	Mouse monoclonal antibody to USP14
Specificity	Recognizes endogenous levels of USP14 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human USP14. The exact sequence is proprietary.
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 56 kD; Observed: 60 kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	TGT; Ubiquitin carboxyl-terminal hydrolase 14; Deubiquitinating enzyme 14; Ubiquitin thioesterase 14; Ubiquitin-specific-processing protease 14
Gene Symbol	USP14
Entrez Gene	9097(Human); 59025(Mouse)
SwissProt	P54578(Human); Q9JMA1(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 USP14 expression in K562 (A), Jurkat (B), mouse brain (C), rat brain (D) whole cell lysates. (Predicted band size: 56 kD; Observed band size: 60 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.