

DATASHEET

USP5 Mouse Monoclonal Antibody(C3787)

CAT. NO. AMA03399

KEY FEATURES

Target	USP5	Source / Host	Mouse
Reactivity	Human, Mouse, Rat	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Deubiquitinating enzyme that participates in a wide range of cellular processes by specifically cleaving isopeptide bonds between ubiquitin and substrate proteins or ubiquitin itself. Affects thereby important cellular signaling pathways such as NF-kappa-B, Wnt/beta-catenin, and cytokine production by regulating ubiquitin-dependent protein degradation. Participates in the activation of the Wnt signaling pathway by promoting FOXM1 deubiquitination and stabilization that induces the recruitment of beta-catenin to Wnt target gene promoter . Regulates the assembly and disassembly of heat-induced stress granules by mediating the hydrolysis of unanchored ubiquitin chains . Promotes lipopolysaccharide-induced apoptosis and inflammatory response by stabilizing the TXNIP protein .

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

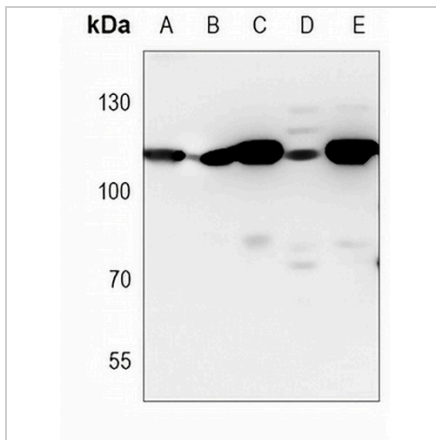
Description	Mouse monoclonal antibody to USP5
Specificity	Recognizes endogenous levels of USP5 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human USP5. The exact sequence is proprietary.
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 95 kD; Observed: 117 kD
Form/Buffer	Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	ISOT; Ubiquitin carboxyl-terminal hydrolase 5; Deubiquitinating enzyme 5; Isopeptidase T; Ubiquitin thioesterase 5; Ubiquitin-specific-processing protease 5
Gene Symbol	USP5
Entrez Gene	8078(Human); 22225(Mouse)
SwissProt	P45974(Human); P56399(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 USP5 expression in U251 (A), PC3 (B), mouse brain (C), rat brain (D), rat liver (E) whole cell lysates. (Predicted band size: 95 kD; Observed band size: 117 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.