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Datasheet for ABIN650701

anti-USP29 antibody (AA 660-690)

2 Images

Overview

Quantity:	400 µL
Target:	USP29
Binding Specificity:	AA 660-690
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This USP29 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This USP29 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 660-690 amino acids from the Central region of human USP29.
Clone:	RB4373
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	USP29
Alternative Name:	USP29 (USP29 Products)
Background:	Modification of target proteins by ubiquitin participates in a wide array of biological functions.

Target Details

Proteins destined for degradation or processing via the 26 S proteasome are coupled to multiple copies of ubiquitin. However, attachment of ubiquitin or ubiquitin-related molecules may also result in changes in subcellular distribution or modification of protein activity. An additional level of ubiquitin regulation, deubiquitination, is catalyzed by proteases called deubiquitinating enzymes, which fall into four distinct families. Ubiquitin C-terminal hydrolases, ubiquitin-specific processing proteases (USPs),¹ OTU-domain ubiquitin-aldehyde-binding proteins, and Jab1/Pad1/MPN-domain-containing metallo-enzymes. Among these four families, USPs represent the most widespread and represented deubiquitinating enzymes across evolution. USPs tend to release ubiquitin from a conjugated protein. They display similar catalytic domains containing conserved Cys and His boxes but divergent N-terminal and occasionally C-terminal extensions, which are thought to function in substrate recognition, subcellular localization, and protein-protein interactions.

Molecular Weight:	104156
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Gene ID:	57663
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NCBI Accession:	NP_065954
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UniProt:	Q9HBJ7
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Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:10~50
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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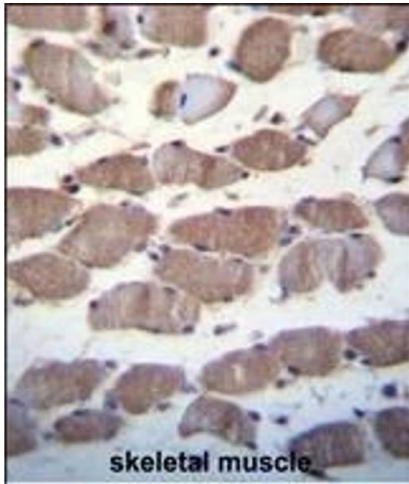
Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C,-20 °C
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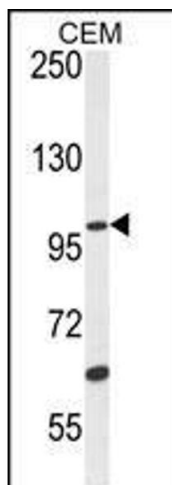
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
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Expiry Date:	6 months
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Immunohistochemistry (Paraffin-embedded Sections)

Image 1. USP29 Antibody (Center) (ABIN650701 and ABIN2839199) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of USP29 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. USP29 Antibody (ABIN650701 and ABIN2839199) western blot analysis in CEM cell line lysates (35 μ g/lane). This demonstrates the USP29 antibody detected the USP29 protein (arrow).