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Datasheet for ABIN6991995
anti-USP25 antibody (AA 470-520)

Overview

Quantity:	0.1 mg
Target:	USP25
Binding Specificity:	AA 470-520
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This USP25 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	USP25 antibody was raised against a 17 amino acid peptide near the center of human USP25. The immunogen is located within amino acids 470 - 520 of USP25.
Isotype:	IgG
Specificity:	USP25 antibody is human and mouse reactive. Multiple isoforms of USP25 are known to exist.
Purification:	USP25 antibody is affinity chromatography purified via peptide column.

Target Details

Target:	USP25
Alternative Name:	USP25 (USP25 Products)

Target Details

Background: USP25 (ubiquitin specific peptidase 25), also known as USP21, belongs to the peptidase C19 family and is a highly conserved 76-amino acid protein involved in regulation of intracellular protein breakdown, cell cycle regulation, and stress response (1). It contains one UBA-like domain and two UIM (ubiquitin-interacting motif) repeats. Due to alternative splicing events, USP25 is expressed as two short, ubiquitously expressed isoforms and one long, muscle-specific isoform (2). The long isoform of USP25 (USP25m) is upregulated in myogenesis and is implicated in regulation of muscular differentiation and function. USP25 is a deubiquitinating enzyme (DUB) that negatively regulates IL-17-triggered signaling (3,4).

Molecular Weight: Predicted: 116 kDa

Observed: 105 kDa

Gene ID: 29761

NCBI Accession: [NP_037528](#)

UniProt: [Q9UHP3](#)

Application Details

Application Notes: USP25 antibody can be used for detection of USP25 by Western blot at 1 - 2 μ g/mL. Antibody can also be used for Immunohistochemistry at 5 μ g/mL. For Immunofluorescence start at 20 μ g/mL.

Antibody validated: Western Blot in mouse samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: USP25 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C, 4 °C

Storage Comment: USP25 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.