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Datasheet for ABIN7174317

anti-USP33 antibody (C-Term) (Biotin)

Overview

Quantity:	100 µg
Target:	USP33
Binding Specificity:	AA 251-550, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This USP33 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Ubiquitin carboxyl-terminal hydrolase 33 protein (251-550AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	USP33
Alternative Name:	USP33 (USP33 Products)
Background:	Background: Deubiquitinating enzyme involved in various processes such as centrosome duplication, cellular migration and beta-2 adrenergic receptor/ADRB2 recycling. Involved in

Target Details

regulation of centrosome duplication by mediating deubiquitination of CCP110 in S and G2/M phase, leading to stabilize CCP110 during the period which centrioles duplicate and elongate. Involved in cell migration via its interaction with intracellular domain of ROBO1, leading to regulate the Slit signaling. Plays a role in commissural axon guidance cross the ventral midline of the neural tube in a Slit-dependent manner, possibly by mediating the deubiquitination of ROBO1. Acts as a regulator of G-protein coupled receptor (GPCR) signaling by mediating the deubiquitination of beta-arrestins (ARRB1 and ARRB2) and beta-2 adrenergic receptor (ADRB2). Plays a central role in ADRB2 recycling and resensitization after prolonged agonist stimulation by constitutively binding ADRB2, mediating deubiquitination of ADRB2 and inhibiting lysosomal trafficking of ADRB2. Upon dissociation, it is probably transferred to the translocated beta-arrestins, leading to beta-arrestins deubiquitination and disengagement from ADRB2. This suggests the existence of a dynamic exchange between the ADRB2 and beta-arrestins. Deubiquitinates DIO2, thereby regulating thyroid hormone regulation. Mediates deubiquitination of both 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains.

Aliases: Deubiquitinating enzyme 33 antibody, EC 3 1 2 15 antibody, hVDU1 antibody, KIAA1097 antibody, MGC16868 antibody, OTTHUMP00000011234 antibody, OTTHUMP00000011330 antibody, OTTHUMP00000011331 antibody, pVHL interacting deubiquitinating enzyme 1 antibody, Ubiquitin carboxyl terminal hydrolase 33 antibody, Ubiquitin carboxyl-terminal hydrolase 33 antibody, Ubiquitin specific peptidase 33 antibody, Ubiquitin specific processing protease 33 antibody, ubiquitin specific protease 33 antibody, Ubiquitin thioesterase 33 antibody, Ubiquitin thiolesterase 33 antibody, Ubiquitin-specific-processing protease 33 antibody, UBP33_HUMAN antibody, USP 33 antibody, Usp33 antibody, VDU 1 antibody, VDU1 antibody, VHL interacting deubiquitinating enzyme 1 antibody, VHL-interacting deubiquitinating enzyme 1 antibody

UniProt: [Q8TEY7](#)

Pathways: [Regulation of G-Protein Coupled Receptor Protein Signaling](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Handling

Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.