

Datasheet for ABIN388931
anti-UBE2V1 antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	UBE2V1
Binding Specificity:	AA 113-145, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UBE2V1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This UBE2V1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 113-145 amino acids from the C-terminal region of human UBE2V1.
Clone:	RB4387
Isotype:	Ig Fraction
Predicted Reactivity:	B, C, Zf, Rat, X
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	UBE2V1
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Target Details

Alternative Name: UBE2V1 ([UBE2V1 Products](#))

Background: The CROC1 isoforms, also known as UBE2V1, show sequence similarity to ubiquitin-conjugating enzymes (UBCs, or E2s) but lack the conserved cysteine residue critical to catalytic activity of E2s.¹ Northern blot analysis detected approximately 2.1- and 2.5-kb CROC1 transcripts in all human tissues examined, with the highest levels in brain, skeletal muscle, and kidney. Partial human intestinal epithelial cell cDNAs have been isolated containing the 3-prime coding sequence and 3-prime untranslated region of UBE2V1, also called UEV1.² UEV1 does not have ubiquitin-conjugating activity in vitro. UEV1 transcripts are downregulated upon differentiation of a colon carcinoma cell line.¹ Constitutive expression of exogenous UEV1 protein in these colon carcinoma cells inhibits their capacity to differentiate upon confluence and induces changes in cell cycle behavior associated with inhibition of CDK1. A heterodimeric protein complex has been identified that links TRAF6 to IKK activation.³ Peptide mass fingerprinting analysis revealed that this complex is composed of the ubiquitin conjugating enzyme UBC13 and the UBC-like protein UBE2V1, also called UEV1A. TRAF6, a RING domain protein, functions together with UBC13/UEV1A to catalyze the synthesis of unique polyubiquitin chains linked through lysine-63 (K63) of ubiquitin. Blockade of this polyubiquitin chain synthesis, but not inhibition of the proteasome, prevents the activation of IKK by TRAF6. These results unveil a new regulatory function for ubiquitin, in which IKK is activated through the assembly of K63-linked polyubiquitin chains.

Molecular Weight: 16495

Gene ID: 387522

NCBI Accession: [NP_001027459](#), [NP_001244322](#), [NP_001244323](#), [NP_001244325](#), [NP_068823](#), [NP_071887](#), [NP_954595](#), [NP_954673](#)

UniProt: [Q13404](#)

Pathways: [TCR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [Activation of Innate immune Response](#), [Toll-Like Receptors Cascades](#)

Application Details

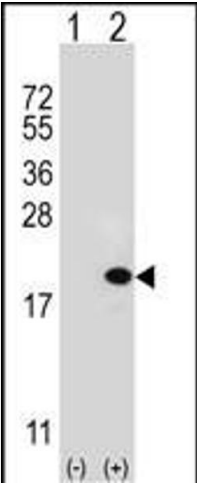
Application Notes: WB: 1:1000. WB: 1:1000

Restrictions: For Research Use only

Handling

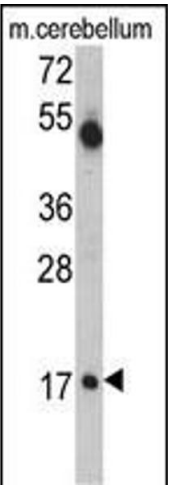
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	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.
Expiry Date:	6 months

Images



Western Blotting

Image 1. Western blot analysis of UBE2V1 (arrow) using rabbit polyclonal UBE2V1 Antibody (ABIN388931 and ABIN2837878). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the UBE2V1 gene.



Western Blotting

Image 2. Western blot analysis of UBE2V1 Antibody (C-term) (ABIN388931 and ABIN2837878) in mouse cerebellum tissue lysates (35 µg/lane). UBE2V1 (arrow) was detected using the purified Pab.