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Anti-UEV1 / UEV1A Antibody

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18617

Product Information

Application	WB, IHC-P, IF
Primary Accession	Q13404
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	16495

Additional Information

Gene ID	7335
Alias Symbol	UBE2V1
Other Names	UBE2V1, CROC1, UEV1, UBE2V, UEV-1, UEV1A, CROC-1
Target/Specificity	Human UEV1 / UEV1A.
Reconstitution & Storage	Affinity purified
Precautions	Anti-UEV1 / UEV1A Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	UBE2V1
Synonyms	CROC1, UBE2V, UEV1
Function	Has no ubiquitin ligase activity on its own. The UBE2V1-UBE2N heterodimer catalyzes the synthesis of non-canonical poly-ubiquitin chains that are linked through Lys-63. This type of poly-ubiquitination activates IKK and does not seem to involve protein degradation by the proteasome. Plays a role in the activation of NF-kappa-B mediated by IL1B, TNF, TRAF6 and TRAF2. Mediates transcriptional activation of target genes. Plays a role in the control of progress through the cell cycle and differentiation. Plays a role in the error-free DNA repair pathway and contributes to the survival of cells after DNA damage. Promotes TRIM5 capsid-specific restriction activity and the UBE2V1- UBE2N heterodimer acts in concert with TRIM5 to generate 'Lys-63'-linked polyubiquitin chains which activate the MAP3K7/TAK1 complex which in turn results in the induction and expression of NF-kappa-B and MAPK-responsive inflammatory genes. Together with RNF135 and UBE2N,

	catalyzes the viral RNA-dependent 'Lys-63'-linked polyubiquitination of RIGI to activate the downstream signaling pathway that leads to interferon beta production (PubMed:31006531). UBE2V1-UBE2N together with TRAF3IP2 E3 ubiquitin ligase mediate 'Lys-63'-linked polyubiquitination of TRAF6, a component of IL17A-mediated signaling pathway.
Cellular Location	Nucleus. Note=Excluded from the nucleolus
Tissue Location	Highly expressed in thyroid, pancreas, spinal cord, lymph node, trachea, adrenal gland, bone marrow and pancreas. Detected at low levels in heart, breast, placenta, brain, liver, kidney, stomach and lung.