

## **Anti-UEV1 / UEV1A Antibody**

Rabbit Anti Human Polyclonal Antibody Catalog # ALS18617

## **Specification**

# Anti-UEV1 / UEV1A Antibody - Product Information

Application WB, IHC-P, IF

Primary Accession Q13404
Predicted Human.

Predicted Human, Mouse, Rat Host Rabbit Clonality Polyclonal

Isotype IgG
Calculated MW 16495

Dilution WB~~1:1000 IHC-P~~N/A

IF~~1:50~200

# Anti-UEV1 / UEV1A Antibody - 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.

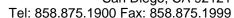
## **Anti-UEV1 / UEV1A Antibody - Protein Information**

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: <a href="http://www.uniprot.org/citations/31006531" target=" blank">31006531</a>). 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.

# Anti-UEV1 / UEV1A Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-UEV1 / UEV1A Antibody - Images