

Rabbit anti-Human Ubiquitin-conjugating enzyme E2 K Polyclonal Antibody | anti-UBE2K antibody

Rabbit anti-human Ubiquitin-conjugating enzyme E2 K polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA229245	Rabbit	Human	Immunohistochemistry, ELISA

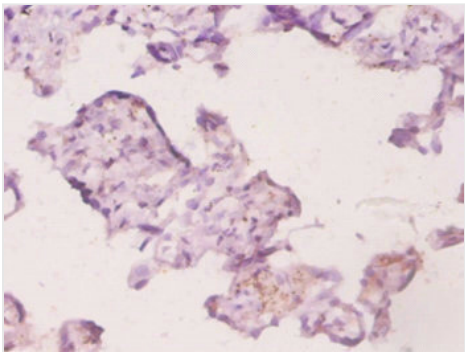
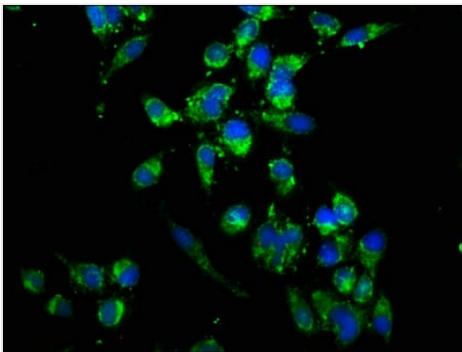
PRODUCT SYNONYMS

Ubiquitin-conjugating enzyme E2 K; Polyclonal Antibody; Rabbit anti-human Ubiquitin-conjugating enzyme E2 K polyclonal Antibody; Huntingtin-interacting protein 2; Ubiquitin carrier protein; Ubiquitin-conjugating enzyme E2-25 kDa; Ubiquitin-protein ligase; UBE2K ; HIP2; LIG; anti-UBE2K antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	157
Applicable Applications for anti-UBE2K antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant human Ubiquitin-conjugating enzyme E2 K protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-50733 / sc-50736
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



IF (Immunofluorescence)
Immunofluorescence staining of Hela cells with AAA229245 at 1:166, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).

IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human placenta using AAA229245 at dilution of 1:20

ADDITIONAL INFORMATION

Related Product Information for anti-UBE2K antibody	Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro, in the presence or in the absence of BRCA1-BARD1 E3 ubiquitin-protein ligase complex, catalyzes the synthesis of 'Lys-48'-linked polyubiquitin chains. Does not transfer ubiquitin directly to but elongates monoubiquitinated substrate protein. Mediates the selective degradation of short-lived and abnormal proteins, such as the endoplasmic reticulum-associated degradation (ERAD) of misfolded luminal proteins. Ubiquitinates huntingtin. May mediate foam cell formation by the suppression of apoptosis of lipid-bearing macrophages through ubiquitination and subsequent degradation of p53/TP53. Proposed to be involved in ubiquitination and proteolytic processing of NF-kappa-B; in vitro supports ubiquitination of NFKB1. In case of infection by cytomegaloviruses may be involved in the US11-dependent degradation of MHC class I heavy chains following their export from the ER to the cytosol. In case of viral infections may be involved in the HPV E7 protein-dependent degradation of RB1. This protein belongs to the ubiquitin-conjugating enzyme family. This protein interacts with RING finger proteins, and it can ubiquitinate huntingtin, the gene product for Huntington s disease. Known functions for this protein include a role in aggregate formation of expanded polyglutamine proteins and the suppression of apoptosis in polyglutamine diseases, a role in the dislocation of newly synthesized MHC class I heavy chains from the endoplasmic reticulum, and involvement in foam cell formation. Multiple transcript variants encoding different isoforms have been identified for this gene.
Product Categories/Family for anti-UBE2K antibody	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	163660385
NCBI GeneID	3093
NCBI Accession #	NP_001104582.1
NCBI GenBank Nucleotide #	NM_001111112.1
UniProt Accession #	P61086; O54806; P27924; Q16721; Q9CVV9; Q9Y2D3; A6NJC1; A8K5Y9; B2RDF8; C9JGP1
Molecular Weight	17,447 Da
NCBI Official Full Name	ubiquitin-conjugating enzyme E2 K isoform 2
NCBI Official Synonym Full Names	ubiquitin conjugating enzyme E2K
NCBI Official Symbol	UBE2K
NCBI Official Synonym Symbols	LIG; HIP2; HYPG; UBC1; E2-25K

NCBI Protein Information	ubiquitin-conjugating enzyme E2 K
UniProt Protein Name	Ubiquitin-conjugating enzyme E2 K
UniProt Gene Name	UBE2K
UniProt Synonym Gene Names	HIP2; LIG; HIP-2; Ubiquitin-conjugating enzyme E2(25K); Ubiquitin-conjugating enzyme E2-25K
UniProt Entry Name	UBE2K_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/ubiquitin-conjugating-enzyme-e2-k-antibody-immunohistochemistry-elisa/229245>