Ubiquitin-conjugating enzyme E2 K Polyclonal Antibody

Catalog No: #42507

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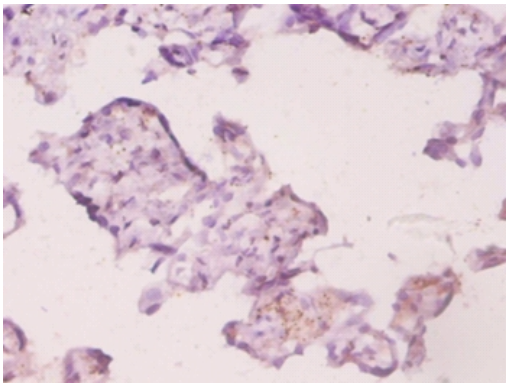
Description

Product Name	Ubiquitin-conjugating enzyme E2 K Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Ubiquitin-conjugating enzyme E2 K polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Ubiquitin-conjugating enzyme E2 K protein
Target Name	Ubiquitin-conjugating enzyme E2 K
Other Names	Huntingtin-interacting protein 2, Ubiquitin carrier protein, Ubiquitin-conjugating enzyme E2-25 kDa, Ubiquitin-protein ligase, UBE2K , HIP2, LIG
Accession No.	Swiss-Prot#: P61086
Uniprot	P61086
GeneID	3093;
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

Application Details

Immunohistochemistry: 1:20 - 1:200

Images



Immunohistochemical analysis of paraffin-embeded human placenta using #42507 at dilution of 1:20.

Background

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 lumenal proteins. Ubiquitinates huntingtin. May mediate foam cell formation by the suppression of apoptosis of lipid-bearing macrophages through ubiquitination and subsequence 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.

References

[1] Huntingtin is ubiquitinated and interacts with a specific ubiquitin-conjugating enzyme.Kalchman M.A., Graham R.K., Xia G., Koide H.B., Hodgson J.G., Graham K.C., Goldberg Y.P., Gietz R.D., Pickart C.M., Hayden M.R.J. Biol. Chem. 271:19385-19394(1996)

Note: This product is for in vitro research use only