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UBE2K / LIG Antibody (C-Terminus)
Goat Polyclonal Antibody
Catalog # ALS13694

Specification

UBE2K / LIG Antibody (C-Terminus) - Product Information

Application	**WB, IHC-P, E**
Primary Accession	P61086
Reactivity	**Human, Mouse, Rat, Rabbit, Zebrafish, Hamster, Monkey, Pig, Chicken, Goat, Horse, Xenopus, Bovine, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**22kDa KDa**
Dilution	**WB~~1:1000** **IHC-P~~N/A** **E~~N/A**

UBE2K / LIG Antibody (C-Terminus) - Additional Information

Gene ID 3093

Other Names
Ubiquitin-conjugating enzyme E2 K, 6.3.2.19, Huntingtin-interacting protein 2, HIP-2, Ubiquitin carrier protein, Ubiquitin-conjugating enzyme E2-25 kDa, Ubiquitin-conjugating enzyme E2(25K), Ubiquitin-conjugating enzyme E2-25K, Ubiquitin-protein ligase, UBE2K, HIP2, LIG

Target/Specificity
Human UBE2K / HIP2. This antibody is expected to recognise isoform 1 (NP_005330.1), isoform 2 (NP_001104582.1) and isoform 3 (NP_001104583.1).

Reconstitution & Storage
Store at -20°C. Minimize freezing and thawing.

Precautions
UBE2K / LIG Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

UBE2K / LIG Antibody (C-Terminus) - Protein Information

Name UBE2K

Synonyms HIP2, LIG

Function
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.

Cellular Location
Cytoplasm {ECO:0000250|UniProtKB:P61085}.

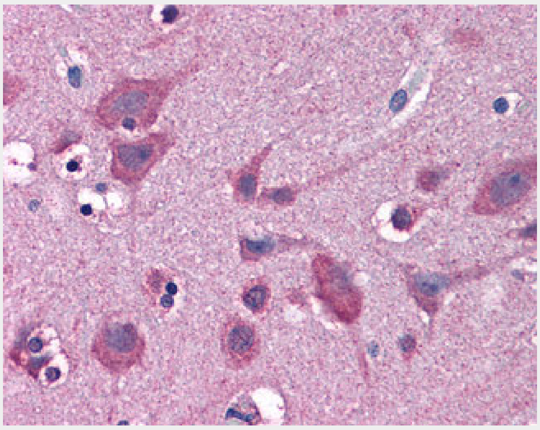
Tissue Location
Expressed in all tissues tested, including spleen, thymus, prostate, testis, ovary, small intestine, colon, peripheral blood leukocytes, T-lymphocytes, monocytes, granulocytes and bone marrow mononuclear cells. Highly expressed in brain, with highest levels found in cortex and striatum and at lower levels in cerebellum and brainstem.

UBE2K / LIG Antibody (C-Terminus) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

UBE2K / LIG Antibody (C-Terminus) - Images



Anti-UBE2K / HIP2 antibody IHC of human brain, cortex.

UBE2K / LIG Antibody (C-Terminus) - Background

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UBE2K / LIG Antibody (C-Terminus) - References

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Kikuchi J.,et al.Arterioscler. Thromb. Vasc. Biol. 20:128-134(2000).
Furukawa Y.,et al.Electrophoresis 21:338-346(2000).
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Ota T.,et al.Nat. Genet. 36:40-45(2004).