

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

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

Application	IHC
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

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 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.

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:P61085}.

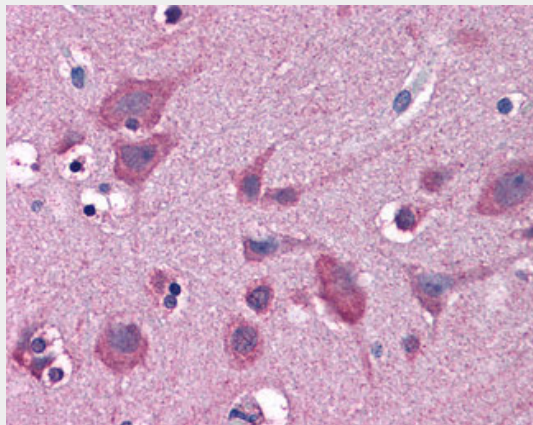
Tissue Location

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 Cytometry](#)
- [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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Kalchman M.A., et al. J. Biol. Chem. 271:19385-19394(1996).
Kikuchi J., et al. Arterioscler. Thromb. Vasc. Biol. 20:128-134(2000).
Furukawa Y., et al. Electrophoresis 21:338-346(2000).
Li W.B., et al. Submitted (APR-2003) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).