

**HIP2 (UBE2K) Antibody(N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5001**

**Specification**

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**HIP2 (UBE2K) Antibody(N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P61086</a>
Other Accession	<a href="#">P61087</a> , <a href="#">P61085</a> , <a href="#">NP_005330.1</a>
Reactivity	Human, Mouse
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=22,17;M=22 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

**HIP2 (UBE2K) Antibody(N-term) - Additional Information**

**Gene ID** 3093

**Antigen Region**  
2-30

**Other Names**

UBE2K; HIP2; LIG; Ubiquitin-conjugating enzyme E2 K; Huntingtin-interacting protein 2; Ubiquitin carrier protein; Ubiquitin-conjugating enzyme E2-25 kDa; Ubiquitin-protein ligase

**Dilution**

WB~~1:500

**Target/Specificity**

This HIP2 (UBE2K) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 2-30 amino acids from the N-terminal region of human UBE2K.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

HIP2 (UBE2K) Antibody(N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**HIP2 (UBE2K) Antibody(N-term) - 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**

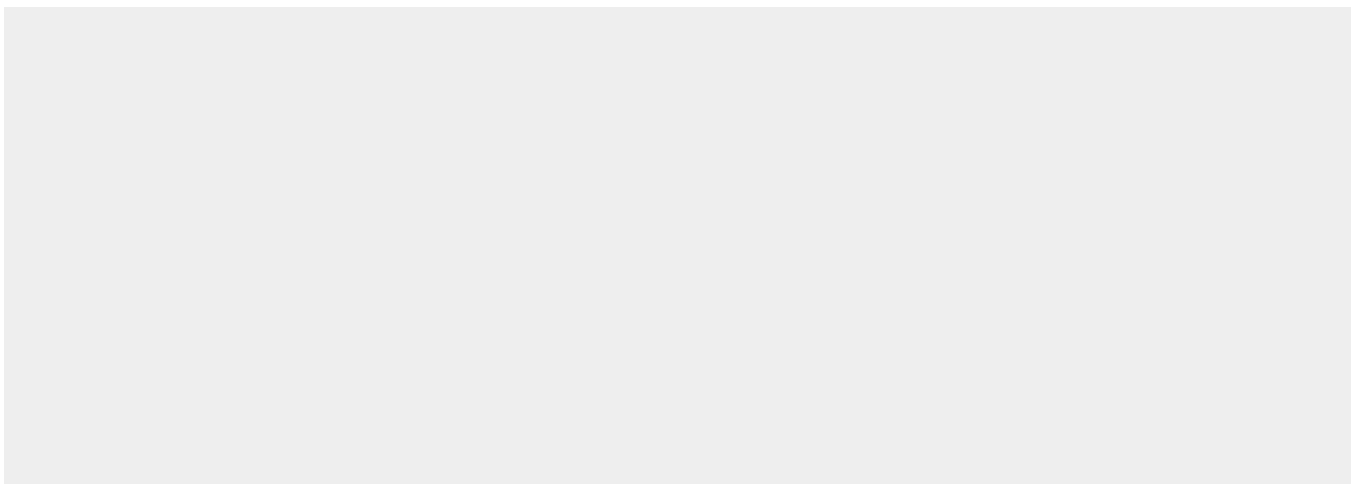
Expressed in all tissues tested, including spleen, thymus, prostate, testis, ovary, small intestine, colon, peripheral blood leukocytes, T-lymphocytes, monocytes, granulocytes and bone marrow mononuclear cells. Highly expressed in brain, with highest levels found in cortex and striatum and at lower levels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

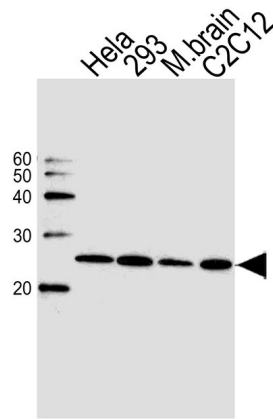
#### **HIP2 (UBE2K) Antibody(N-term) - Protocols**

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](#)

#### **HIP2 (UBE2K) Antibody(N-term) - Images**





Western blot analysis of lysates from HeLa, 293 cell line, mouse brain tissue and mouse C2C12 cell line (from left to right), using HIP2 (UBE2K) Antibody (N-term)(Cat. #AW5001). AW5001 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.

#### **HIP2 (UBE2K) Antibody(N-term) - Background**

The protein encoded by this gene 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. [provided by RefSeq].

#### **HIP2 (UBE2K) Antibody(N-term) - References**

- Bae, Y., et al. *Biochem. Biophys. Res. Commun.* 397(4):718-723(2010)
- Christensen, D.E., et al. *Nat. Struct. Mol. Biol.* 14(10):941-948(2007)
- de Pril, R., et al. *Mol. Cell. Neurosci.* 34(1):10-19(2007)
- Flierman, D., et al. *Proc. Natl. Acad. Sci. U.S.A.* 103(31):11589-11594(2006)
- Yamada, M., et al. *J. Biol. Chem.* 281(30):20749-20760(2006)