

**UBR5 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51600****Specification**

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**UBR5 Antibody - Product Information**

Application	WB, IHC-P, E
Primary Accession	<a href="#">O95071</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	309 KDa

**UBR5 Antibody - Additional Information****Gene ID** 51366**Other Names**

E3 ubiquitin-protein ligase UBR5, 632-, E3 ubiquitin-protein ligase, HECT domain-containing 1, Hyperplastic discs protein homolog, hHYD, Progesterin-induced protein, UBR5, EDD, EDD1, HYD, KIAA0896

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**UBR5 Antibody - Protein Information****Name** UBR5**Synonyms** EDD, EDD1, HYD, KIAA0896**Function**

E3 ubiquitin-protein ligase which is a component of the N-end rule pathway. Recognizes and binds to proteins bearing specific N- terminal residues that are destabilizing according to the N-end rule, leading to their ubiquitination and subsequent degradation (By similarity). Involved in maturation and/or transcriptional regulation of mRNA by activating CDK9 by polyubiquitination. May play a role in control of cell cycle progression. May have tumor suppressor function. Regulates DNA topoisomerase II binding protein (TopBP1) in the DNA damage response. Plays an essential role in extraembryonic development. Ubiquitinates acetylated PCK1. Also acts as a regulator of DNA damage response by acting as a suppressor of RNF168, an E3 ubiquitin-protein ligase that promotes accumulation of 'Lys-63'-linked histone H2A and H2AX at DNA damage sites, thereby acting as a guard against excessive spreading of ubiquitinated chromatin at damaged chromosomes.

**Cellular Location**

Nucleus.

**Tissue Location**

Widely expressed. Most abundant in testis and expressed at high levels in brain, pituitary and kidney

**UBR5 Antibody - 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](#)

**UBR5 Antibody - Images****UBR5 Antibody - Background**

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**UBR5 Antibody - References**

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Honda Y.,et al.J. Biol. Chem. 277:3599-3605(2002).  
Nagase T.,et al.DNA Res. 5:355-364(1998).  
Nakajima D.,et al.DNA Res. 9:99-106(2002).  
Ohara O.,et al.Submitted (AUG-2005) to the EMBL/GenBank/DDBJ databases.