10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

EDD1 / HYD Antibody (C-Term)

Peptide-affinity purified goat antibody
Catalog # AF2330a

Specification

EDD1 / HYD Antibody (C-Term) - Product Information

Application	**IHC**
Primary Accession	O95071
Other Accession	NP_056986.2, 51366, 70790 (mouse), 117060 (rat)
Reactivity	**Human, Mouse, Rat, Rabbit**
Predicted	**Pig, Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**309352**

EDD1 / HYD Antibody (C-Term) - Additional Information

Gene ID 51366

Other Names
E3 ubiquitin-protein ligase UBR5, 6.3.2.-, E3 ubiquitin-protein ligase, HECT domain-containing 1, Hyperplastic discs protein homolog, hHYD, Progestin-induced protein, UBR5, EDD, EDD1, HYD, KIAA0896

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
EDD1 / HYD Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

EDD1 / HYD Antibody (C-Term) - 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.

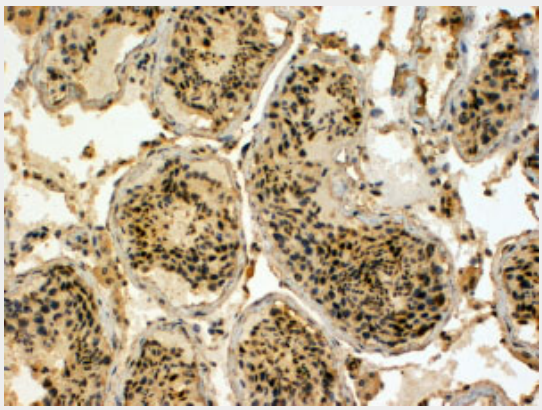
Tissue Location
Widely expressed. Most abundant in testis and expressed at high levels in brain, pituitary and kidney

EDD1 / HYD Antibody (C-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 Cytomety
- Cell Culture

EDD1 / HYD Antibody (C-Term) - Images



AF2330a (4 µg/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining. These results could not be obtained after antigen retrieval at pH6.

EDD1 / HYD Antibody (C-Term) - References

EDD, the human hyperplastic discs protein, has a role in progesterone receptor coactivation and potential involvement in DNA damage response. Henderson MJ, Russell AJ, Hird S, Munoz M, Clancy JL, Lehrbach GM, Calanni ST, Jans DA, Sutherland RL, Watts CK. J Biol Chem. 2002 Jul 19;277(29):26468-78. PMID: 12011095