

UBR5 Polyclonal Antibody

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|------------------------------|---|
| Catalog No : | YT4809 |
| Reactivity : | Human;Mouse |
| Applications : | WB;IHC;IF;ELISA |
| Target : | UBR5 |
| Fields : | >>Ubiquitin mediated proteolysis |
| Gene Name : | UBR5 |
| Protein Name : | E3 ubiquitin-protein ligase UBR5 |
| Human Gene Id : | 51366 |
| Human Swiss Prot No : | O95071 |
| Mouse Gene Id : | 70790 |
| Mouse Swiss Prot No : | Q80TP3 |
| Immunogen : | The antiserum was produced against synthesized peptide derived from human EDD. AA range:1-50 |
| Specificity : | UBR5 Polyclonal Antibody detects endogenous levels of UBR5 protein. |
| Formulation : | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source : | Polyclonal, Rabbit,IgG |
| Dilution : | WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200 |
| Purification : | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Concentration : | 1 mg/ml |

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 309kD

Cell Pathway : Ubiquitin mediated proteolysis;

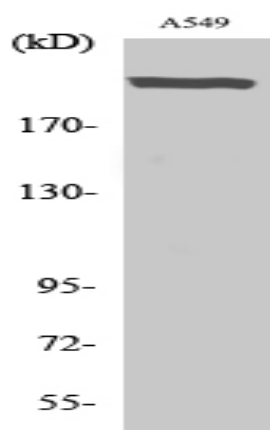
Background : This gene encodes a progestin-induced protein, which belongs to the HECT (homology to E6-AP carboxyl terminus) family. The HECT family proteins function as E3 ubiquitin-protein ligases, targeting specific proteins for ubiquitin-mediated proteolysis. This gene is localized to chromosome 8q22 which is disrupted in a variety of cancers. This gene potentially has a role in regulation of cell proliferation or differentiation. [provided by RefSeq, Jul 2008],

Function : function:E3 ubiquitin-protein ligase which is a component of the N-end rule pathway. Recognizes and binds to proteins bearing specific amino-terminal residues that are destabilizing according to the N-end rule, leading to their ubiquitination and subsequent degradation (By similarity). May be involved in maturation and/or transcriptional regulation of mRNA. 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.,miscellaneous:A cysteine residue is required for ubiquitin-thioester formation.,pathway:Protein modification; protein ubiquitination.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Contains 1 HECT (E6AP-type E3 ubiquitin-protein ligase) domain.,similarity:Contains 1 PABC domain.,similar

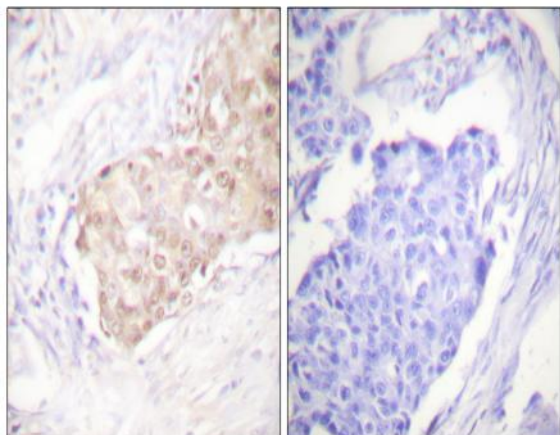
Subcellular Location : Nucleus.

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

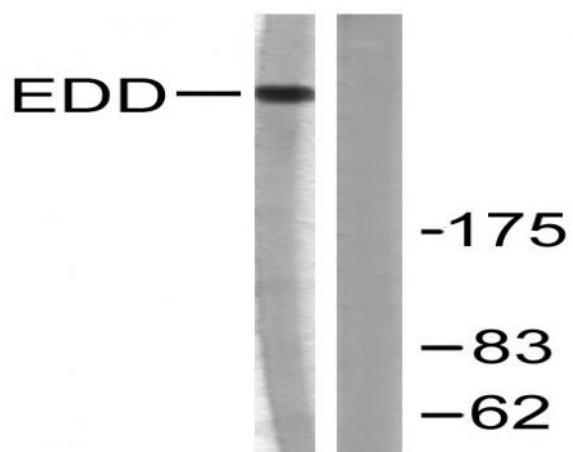
Products Images



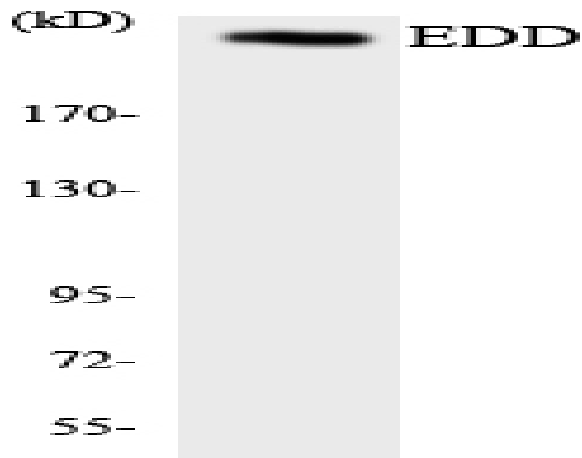
Western Blot analysis of various cells using UBR5 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using EDD Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from A549 cells, using EDD Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from K562 cells using EDD antibody.