

UBE2D2 Polyclonal Antibody

Catalog No: YT4798

Reactivity: Human; Mouse; Rat

Applications: WB;ELISA

Target: UBE2D2

Fields: >>Ubiquitin mediated proteolysis;>>Protein processing in endoplasmic

reticulum;>>Shigellosis

Gene Name: UBE2D2

Protein Name: Ubiquitin-conjugating enzyme E2 D2

P62838

Human Gene Id: 7322

Human Swiss Prot P62837

No:

Mouse Gene ld: 56550

Mouse Swiss Prot

No:

Rat Gene Id: 641452

Rat Swiss Prot No: P62839

Immunogen: The antiserum was produced against synthesized peptide derived from human

UBE2D2. AA range:98-147

Specificity: UBE2D2 Polyclonal Antibody detects endogenous levels of UBE2D2 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. ELISA: 1:10000. Not yet tested in other applications.

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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: 17kD

Cell Pathway: Ubiquitin mediated proteolysis;

Background: Regulated degradation of misfolded, damaged or short-lived proteins in

eukaryotes occurs via the ubiquitin (Ub)-proteasome system (UPS). An integral part of the UPS system is the ubiquitination of target proteins and covalent linkage of Ub-containing proteins to form polymeric chains, marking them as targets for 26S proteasome-mediated degradation. Ubiquitination of proteins is mediated by a cascade of enzymes which includes E1 (ubiquitin activating), E2 (ubiquitin conjugating), and E3 (ubiquitin ligases) enzymes. This gene encodes a member of the E2 enzyme family. Substrates of this enzyme include the tumor suppressor protein p53 and peroxisomal biogenesis factor 5 (PEX5). Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq.

May 2013],

Function: catalytic activity:ATP + ubiquitin + protein lysine = AMP + diphosphate + protein

N-ubiquityllysine.,function:Catalyzes the covalent attachment of ubiquitin to other proteins. Mediates the selective degradation of short-lived and abnormal proteins. Functions in the E6/E6-AP-induced ubiquitination of p53/TP53.,pathway:Protein modification; protein ubiquitination.,similarity:Belongs to the ubiquitin-conjugating enzyme family.,subunit:Interacts with SCF (SKP1-CUL1-F-box protein) E3

ubiquitin ligase complex and with E3 ubiquitin-protein ligase PJA2.,

Subcellular Location:

ubiquitin ligase complex,nucleoplasm,cytosol,protein complex,extracellular

exosome,

Expression : Brain, Cajal-Retzius cell, Testis,

Sort : 23859

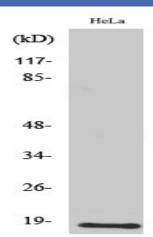
No4: 1

Host: Rabbit

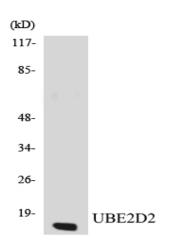
Modifications : Unmodified



Products Images



Western Blot analysis of various cells using UBE2D2 Polyclonal Antibody diluted at 1:2000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of the lysates from K562 cells using UBE2D2 antibody.