Datasheet for ABIN7183479

anti-UBR5 antibody

3 Images

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Overview

Quantity:	100 µL
Target:	UBR5
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UBR5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Synthesized peptide derived from Internal of Human EDD.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	UBR5
Alternative Name:	UBR5 (UBR5 Products)
Background:	Background: 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

Target Details

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.

Michelle J. Henderson, J. Biol. Chem., Dec 2006, 281: 39990 - 40000.
Lisa N. Kinch, Protein Sci., Feb 2005, 14: 360 - 367.
Michelle J. Henderson, J. Biol. Chem., Jul 2002, 277: 26468 - 26478.
Darren N. Saunders, Mol. Cell. Biol., Aug 2004, 24: 7225 - 7
Aliases: 4432411E13Rik antibody, AW549941 antibody, C77315 antibody, D030042K14 antibody, DD5 antibody, E3 identified by differential display antibody, E3 ubiquitin protein ligase, HECT domain containing, 1 antibody, E3 ubiquitin-protein ligase antibody, E3 ubiquitin-protein ligase UBR5 antibody, EDD 1 antibody, EDD antibody, EDD1 antibody, FLJ11310 antibody, HECT domain-containing 1 antibody, hHYD antibody, HYD antibody, Hyperplastic discs protein homolog antibody, Hyperplastic discs, Drosophila, homolog of antibody, KIAA0896 antibody, MGC57263 antibody, mKIAA0896 antibody, Progestin induced protein antibody, Progestin-induced protein antibody, Rat100 antibody, Ubiquitin protein ligase antibody, Ubiquitin protein ligase E3 component n recognin 5 antibody, UBR5 antibody, UBR5_HUMAN antibody

UniProt:	O95071
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway

Application Details

Application Notes:	WB:1:500-1:3000, IHC:1:50-1:100,
Restrictions:	For Research Use only

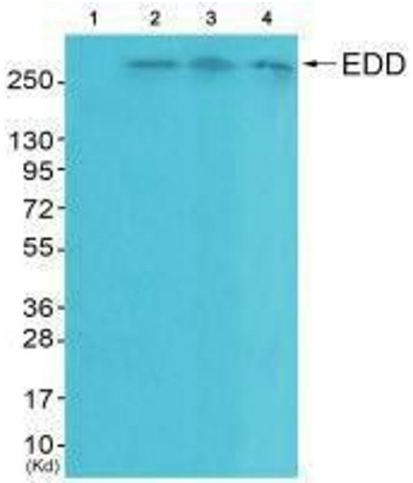
Handling

Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Handling

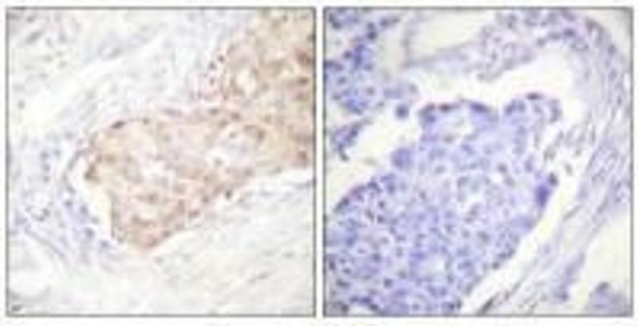
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



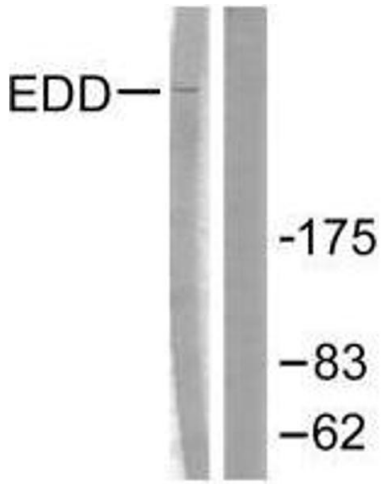
Western Blotting

Image 1. Western blot analysis of extracts from HeLa cells (Lane 2), A549 cells (Lane 3) and HepG2 cells (Lane 4), using EDD antiobdy. The lane on the left is treated with systhesized peptide.



Immunohistochemistry

Image 2. Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using EDD antibody.



Western Blotting

Image 3. Western blot analysis of extracts from A549 cells, using EDD antibody.

