

Product datasheet

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ARG41018 anti-PIDD1 antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes PIDD1

Tested Reactivity Hu, Ms, Rat

Tested Application ICC/IF, IHC-P, WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name PIDD1

Species Human

Immunogen Recombinant fusion protein corresponding to aa. 1-85 of Human PIDD (NP_665893.2).

Conjugation Un-conjugated

Alternate Names LRDD; Leucine-rich repeat and death domain-containing protein; PIDD; p53-induced death domain-

containing protein 1

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	K562	
Observed Size	100 kDa	

Properties

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

Gene Symbol PIDD1

Gene Full Name p53-induced death domain protein 1

Background The protein encoded by this gene contains a leucine-rich repeat and a death domain. This protein has

been shown to interact with other death domain proteins, such as Fas (TNFRSF6)-associated via death domain (FADD) and MAP-kinase activating death domain-containing protein (MADD), and thus may function as an adaptor protein in cell death-related signaling processes. The expression of the mouse counterpart of this gene has been found to be positively regulated by the tumor suppressor p53 and to induce cell apoptosis in response to DNA damage, which suggests a role for this gene as an effector of p53-dependent apoptosis. Alternative splicing results in multiple transcript variants. [provided by

RefSeq, Aug 2010]

Function Promotes apoptosis downstream of the tumor suppressor as component of the DNA damage/stress

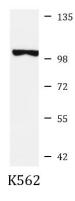
response pathway that connects p53/TP53 to apoptosis. Associates with NEMO/IKBKG and RIP1 and enhances sumoylation and ubiquitination of NEMO/IKBKG which is important for activation of the transcription factor NF-kappa-B. Associates with CASP2/caspase-2 and CRADD/RAIDD, and induces

activation of CASP2 which an important regulator in apoptotic pathways. [UniProt]

Calculated Mw 100 kDa

Cellular Localization Cytoplasm. Nucleus. [UniProt]

Images



ARG41018 anti-PIDD1 antibody WB image

Western blot: 25 μg of K562 cell lysate stained with ARG41018 anti-PIDD1 antibody at 1:1000 dilution through one-step method.