PIDD1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PIDD1, Polyclonal Antibody
Full Product Name	PIDD1 Antibody
Product Gene Name	anti-PIDD1 antibody
Product Synonym Names	LRDD; PIDD
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen affinity purification.
Specificity	The antibody detects endogenous levels of total PIDD1 protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	910
OMIM	605247
3D Structure	ModBase 3D Structure for Q9HB75
Immunogen	Fusion protein corresponding to residues near the N terminal of human p53-induced death domain protein 1
Product Categories/Family for anti-PIDD1 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PIDD1 antibody	Immunohistochemistry (IHC)
Application Notes for anti-PIDD1 antibody	IHC: 1:50-1:200
Related Product Information for anti-PIDD1 antibody	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
Other Notes	Small volumes of anti-PIDD1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PIDD1 purchase	MBS8589938 is an antibody targeting PIDD1. Also known as PIDD1 Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PIDD1. It may not necessarily be applicable to this product.

NCBI GI #	116242715
NCBI GeneID	55367
NCBI Accession #	Q9HB75.2
UniProt Primary Accession #	Q9HB75
UniProt Secondary Accession #	Q59FD1; Q59H10; Q59HC7; Q7Z4P8; Q8NC89; Q8NDL2; Q96C25; Q9NRE6
UniProt Related Accession #	Q9HB75
NCBI Official Full Name	p53-induced death domain-containing protein 1
NCBI Official Synonym Full Names	p53-induced death domain protein 1
NCBI Official Symbol	PIDD1
NCBI Official Synonym Symbols	LRDD; PIDD
UniProt Protein Name	p53-induced death domain-containing protein 1
UniProt Synonym Protein Names	Leucine-rich repeat and death domain-containing protein
Protein Family	p53-induced death domain-containing protein
UniProt Gene Name	PIDD1
UniProt Synonym Gene Names	LRDD; PIDD
UniProt Entry Name	PIDD1_HUMAN
NCBI Protein Information	p53-induced death domain-containing protein 1; p53-induced protein with a death domain; leucine-rich repeats and death domain containing; leucine-rich repeat and death domain-containing protein
NCBI Summary for PIDD1	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]
UniProt Comments for PIDD1	PIDD: 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. 7 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 11p15.5 Cellular Component: Golgi apparatus; cytoplasm; nucleus Molecular Function: protein binding; death receptor binding Biological Process: caspase activation; positive regulation of apoptosis; signal transduction; DNA damage response, signal transduction by p53 class mediator resulting in cell cycle arrest; response to DNA damage stimulus; negative regulation of apoptosis; activation of NF-kappaB transcription factor
Research Articles on PIDD1	**1.** The ATM phosphorylation of the PIDD DD enables a binary switch through which cells elect to survive or die upon DNA injury.
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