10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

LRDD Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13884b

Specification

LRDD Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q9HB75

LRDD Antibody (C-term) Blocking peptide - Additional Information

Gene ID 55367

Other Names
p53-induced death domain-containing protein 1, Leucine-rich repeat and death domain-containing protein, PIDD1, LRDD, PIDD

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP13884b was selected from the C-term region of LRDD. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

LRDD Antibody (C-term) Blocking peptide - Protein Information

Name PIDD1 {ECO:0000303|PubMed:28397838, ECO:0000312|HGNC:HGNC:16491}

Function
Component of the DNA damage/stress response pathway that functions downstream of p53/TP53 and can either promote cell survival or apoptosis (PubMed:10973264, PubMed:15073321, PubMed:16360037, PubMed:17159900). Associated with CRADD and the CASP2 caspase, it forms the PIDDosome a complex that activates CASP2 and triggers apoptosis (PubMed:15073321, PubMed:17159900). Associated with IKBKG and RIPK1, it enhances sumoylation and ubiquitination of IKBKG which is important for activation of the transcription factor NF-kappa-B (PubMed:16360037,

PubMed:17159900).

Cellular Location
Cytoplasm. Nucleus Note=Enriched in the nucleus upon DNA damage

Tissue Location
Ubiquitous..

LRDD Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

LRDD Antibody (C-term) Blocking peptide - Images

LRDD Antibody (C-term) Blocking peptide - Background

LRDD 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.