

**bs-7615R****[ Primary Antibody ]****Bioss**  
**ANTIBODIES**

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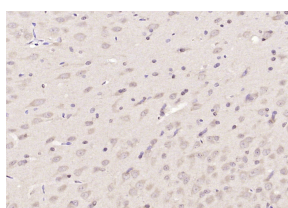
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**LRDD Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> IHC-P (1:100-500)
<b>Clonality:</b> Polyclonal		<b>IHC-F</b> (1:100-500)
<b>GeneID:</b> 55367	<b>SWISS:</b> Q9HB75	<b>IF</b> (1:100-500)
<b>Target:</b> LRDD		<b>Reactivity:</b> Rat (predicted: Human, Mouse)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human LRDD/PIDD: 551-650/910.		
<b>Purification:</b> affinity purified by Protein A		<b>Predicted MW.:</b> 100 kDa
<b>Concentration:</b> 1mg/ml		<b>Subcellular Location:</b> Cytoplasm ,Nucleus
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> The death domain (DD) containing protein PIDD is a p53 target gene in an erythroleukemia cell line that undergoes G1 phase arrest and subsequent apoptosis after p53 expression. Independently, PIDD was also described as a DD-containing protein with unknown function. The N-terminal region of PIDD contains seven leucine-rich repeats (LRRs), a protein interaction motif found in various proteins with diverse functions, followed by two ZU-5 domains and a C-terminal DD. PIDD forms a complex with caspase-2 and the adaptor protein RAIDD. Increased PIDD expression results in spontaneous activation of caspase-2 and sensitization to apoptosis by genotoxic stimuli, via interaction with caspase-2 and CRADD/RAIDD. PIDD also promotes apoptosis downstream of p53 as component of the DNA damage/stress response pathway that connects p53/TP53 to apoptosis. PIDD has also been shown to interact with NEMO/IKBKG and RIP1 and enhance sumoylation and ubiquitination of NEMO/IKBKG, an important component for activation of the transcription factor NF-kappa-B.		

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (LRDD) Polyclonal Antibody, Unconjugated (bs-7615R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.