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**Product Name: NPRL2 Rabbit Polyclonal Antibody****Catalog #: APRab14847**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ELISA 1:10000-1:20000
<b>Molecular Weight</b>	43kDa

**Antigen Information**

<b>Gene Name</b>	NPRL2
<b>Alternative Names</b>	NPRL2; TUSC4; Nitrogen permease regulator 2-like protein; NPR2-like protein; Gene 21 protein; G21 protein; Tumor suppressor candidate 4
<b>Gene ID</b>	10641.0
<b>SwissProt ID</b>	Q8WTW4
<b>Immunogen</b>	Synthesized peptide derived from the C-terminal region of human NPRL2.

**Background**

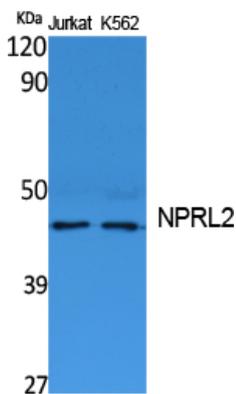
function:Suppresses Src-dependent tyrosine phosphorylation and activation of PDPK1 and its downstream signaling. Down-

regulates PDPK1 kinase activity by interfering with tyrosine phosphorylation at the Tyr-9 Tyr-373 and Tyr-376 residues. May act as a tumor suppressor. Suppresses cell growth and enhanced sensitivity to various anticancer drugs.,similarity:Belongs to the NPR2 family.,subunit:Interacts with PDPK1.,tissue specificity:Most abundant in skeletal muscle, followed by brain, liver and pancreas, with lower amounts in lung, kidney, placenta and heart. Expressed in most lung cancer cell lines tested.,function:Suppresses Src-dependent tyrosine phosphorylation and activation of PDPK1 and its downstream signaling. Down-regulates PDPK1 kinase activity by interfering with tyrosine phosphorylation at the Tyr-9 Tyr-373 and Tyr-376 residues. May act as a tumor suppressor. Suppresses cell growth and enhanced sensitivity to various anticancer drugs.,similarity:Belongs to the NPR2 family.,subunit:Interacts with PDPK1.,tissue specificity:Most abundant in skeletal muscle, followed by brain, liver and pancreas, with lower amounts in lung, kidney, placenta and heart. Expressed in most lung cancer cell lines tested.,

## Research Area

Epigenetics and Nuclear Signaling; Transcription; Cancer susceptibility; Tumor Suppressors; Cancer; Oncoproteins/suppressors; Tumor suppressors

## Image Data



Western Blot analysis of extracts from Jurkat, K562 cells, using NPRL2 Polyclonal Antibody. Secondary antibody was diluted at 1:20000