

NPRL2 Polyclonal Antibody

Catalog No :	YT5086
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	NPRL2
Fields :	>>mTOR signaling pathway
Gene Name :	NPRL2
Protein Name :	Nitrogen permease regulator 2-like protein
Human Gene Id :	10641
Human Swiss Prot No :	Q8WTW4
Mouse Gene Id :	56032
Mouse Swiss Prot No :	Q9WUE4
Immunogen :	Synthesized peptide derived from the C-terminal region of human NPRL2.
Specificity :	NPRL2 Polyclonal Antibody detects endogenous levels of NPRL2 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year (Do not lower than -25°C)

Observed Band : 43kD

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.,

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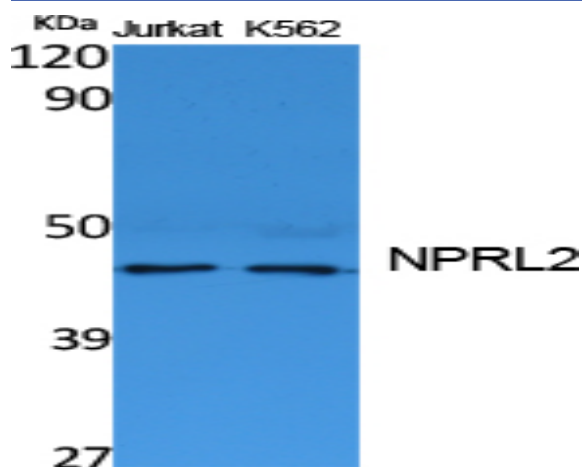
Subcellular Location :

Lysosome membrane . Localization to lysosomes is amino acid-independent. .

Expression :

Most abundant in skeletal muscle, followed by brain, liver and pancreas, with lower amounts in lung, kidney, placenta and heart. Expressed in the frontal lobe cortex as well as in the temporal, parietal, and occipital lobes (PubMed:27173016, PubMed:26505888). Expressed in most lung cancer cell lines tested.

Products Images



Western Blot analysis of extracts from Jurkat, K562 cells, using NPRL2 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000