

Datasheet for ABIN7602644
anti-NPRL2 antibody (AA 90-380)



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Overview

Quantity:	100 µg
Target:	NPRL2
Binding Specificity:	AA 90-380
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NPRL2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-NPRL2 Antibody Picoband®
Immunogen:	E.coli-derived human NPRL2 recombinant protein (Position: D90-K380). Human NPRL2 shares 98.3% amino acid (aa) sequence identity with mouse NPRL2.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-NPRL2 Antibody Picoband® (ABIN7602644). Tested in WB, Flow Cytometry, ELISA applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	NPRL2
Alternative Name:	NPRL2 (NPRL2 Products)
Background:	<p>Synonyms: NPRL2, TUSC4, GATOR complex protein NPRL2, Gene 21 protein, G21 protein, Nitrogen permease regulator 2-like protein, NPR2-like protein, Tumor suppressor candidate 4</p> <p>Background: Nitrogen permease regulator 2-like protein (NPRL2) also known as tumor suppressor candidate 4 (TUSC4) is a protein that in humans is encoded by the NPRL2 gene. Enables GTPase activator activity. Involved in cellular response to amino acid starvation, negative regulation of TORC1 signaling, and negative regulation of kinase activity. Part of GATOR1 complex. Is active in lysosomal membrane. Implicated in familial focal epilepsy with variable foci 2.</p>
Molecular Weight:	48 kDa
Gene ID:	10641

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Mouse, Rat</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL</p> <p>1. Bar-Peled, L., Chantranupong, L., Cherniack, A. D., Chen, W. W., Ottina, K. A., Grabiner, B. C., Spear, E. D., Carter, S. L., Meyerson, M., Sabatini, D. M. A tumor suppressor complex with GAP activity for the Rag GTPases that signal amino acid sufficiency to mTORC1. <i>Science</i> 340: 1100-1106, 2013. 2. Gu, X., Orozco, J. M., Saxton, R. A., Condon, K. J., Liu, G. Y., Krawczyk, P. A., Scaria, S. M., Harper, J. W., Gygi, S. P., Sabatini, D. M. SAMTOR is an S-adenosylmethionine sensor for the mTORC1 pathway. <i>Science</i> 358: 813-818, 2017. 3. Lerman, M. I., Minna, J. D. The 630-kb lung cancer homozygous deletion region on human chromosome 3p21.3: identification and evaluation of the resident candidate tumor suppressor genes. <i>Cancer Res.</i> 60: 6116-6133, 2000.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL

Handling

Buffer: Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na₂HPO₄.

Storage: 4 °C, -20 °C

Storage Comment: At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.