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Datasheet for ABIN7161635
anti-NPRL2 antibody (AA 1-220)

3 Images

Overview

Quantity:	100 µL
Target:	NPRL2
Binding Specificity:	AA 1-220
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NPRL2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Nitrogen permease regulator 2-like protein (1-220AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antigen Affinity Purified

Target Details

Target:	NPRL2
Alternative Name:	NPRL2 (NPRL2 Products)
Background:	Background: Suppresses Src-dependent tyrosine phosphorylation and activation of PDPK1 and its downstream signaling. Down-regulates PDPK1 kinase activity by interfering with tyrosine

Target Details

phosphorylation at 'Tyr-9', 'Tyr-373' and 'Tyr-376' residues. May act as a tumor suppressor. Suppresses cell growth and enhances sensitivity to various anticancer drugs. As a component of the GATOR1 complex, inhibitor of the amino acid-sensing branch of the TORC1 pathway. The GATOR1 complex strongly increases GTP hydrolysis by RRAGA and RRAGB within RRAGC-containing heterodimers, thereby deactivating RRAGs, releasing mTORC1 from lysosomal surface and inhibiting mTORC1 signaling.

Aliases: 2810446G01Rik antibody, G21 protein antibody, Gene 21 protein antibody, Homologous to yeast nitrogen permease (candidate tumor suppressor) antibody, Homologous to yeast nitrogen permease antibody, Nitrogen permease regulator 2-like protein antibody, Nitrogen permease regulator-like 2 (*S. cerevisiae*) antibody, NPR 2L antibody, NPR L2 antibody, NPR like 2 antibody, NPR2 antibody, NPR2 like antibody, NPR2-like protein antibody, NPR2L antibody, NPRL 2 antibody, NPRL2 antibody, NPRL2_HUMAN antibody, Tumor suppressor candidate 4 antibody, TUSC 4 antibody, TUSC 4 protein antibody, TUSC4 antibody, TUSC4 protein antibody

UniProt: [Q8WTW4](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

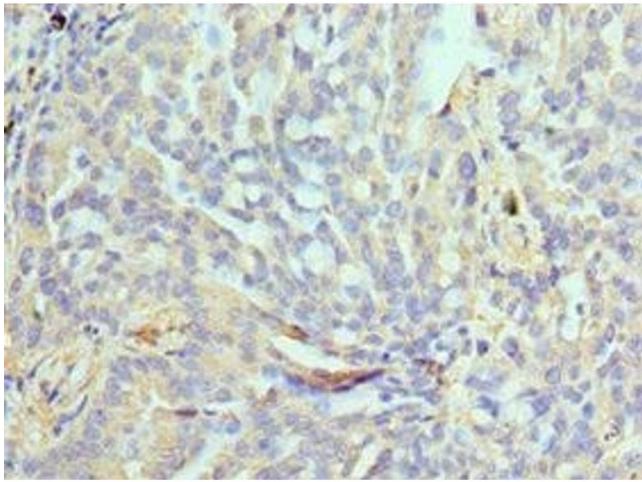
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

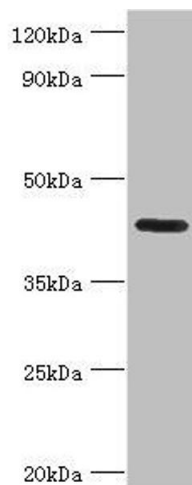
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



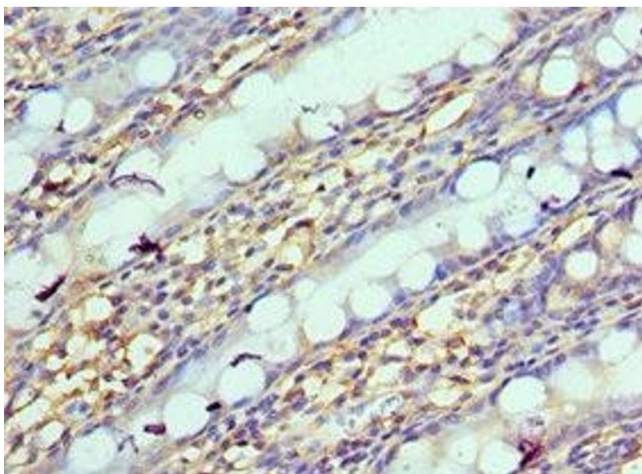
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human lung cancer using ABIN7161635 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: Nitrogen permease regulator 2-like protein antibody at 7 µg/mL + Mouse skeletal muscle tissue Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 44, 24 kDa Observed band size: 44 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human colon tissue using ABIN7161635 at dilution of 1:100