NPRL2 Antibody

PACO43094

Product Information

Size:

50ul

Reactivity:

Human, Mouse

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:2000, IHC:1:20-1:200

Protein Background:

Suppresses Src-dependent tyrosine phosphorylation and activation of PDPK1 and its downstream signaling. Down-regulates PDPK1 kinase activity by interfering with tyrosine 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.

Gene ID:

NPRL2

Uniprot

Q8WTW4

Synonyms:

GATOR complex protein NPRL2 (Gene 21 protein) (G21 protein) (Nitrogen permease regulator 2-like protein) (NPR2-like protein) (Tumor suppressor candidate 4), NPRL2, TUSC4

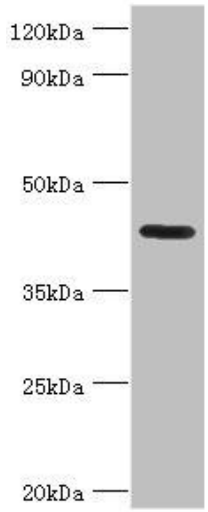
Immunogen:

Recombinant Human Nitrogen permease regulator 2-like protein (1-220AA).

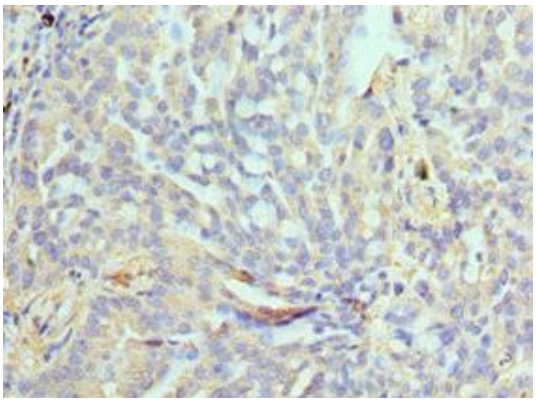
Storage:

PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

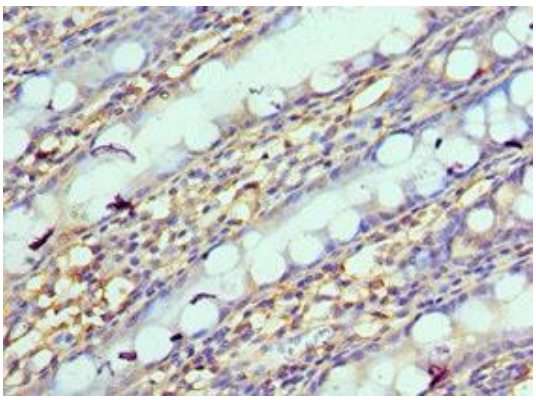
Product Images



Western blot. All lanes: Nitrogen permease regulator 2-like protein antibody at 7µg/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 of paraffin-embedded human lung cancer using PACO43094 at dilution of 1:100.



Immunohistochemistry of paraffin-embedded human colon tissue using PACO43094 at dilution of 1:100.

