

NPRL2 Antibody

Catalog No: #33096



Package Size: #33096-1 50ul #33096-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

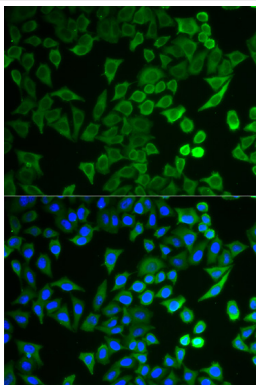
Description

Product Name	NPRL2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total NPRL2 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human NPRL2.
Target Name	NPRL2
Other Names	NPR2; NPR2L; TUSC4;
Accession No.	Swiss-Prot:Q8WTW4NCBI Gene ID:10641
SDS-PAGE MW	43KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

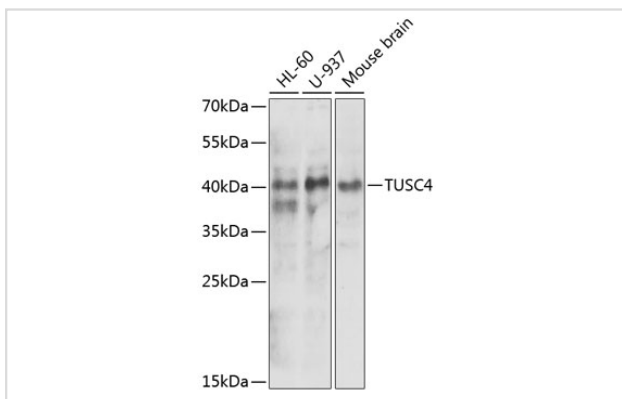
Application Details

WB □ 1:500 - 1:2000IF □ 1:50 - 1:200

Images



Immunofluorescence analysis of HeLa cells using NPRL2 antibody. Blue: DAPI for nuclear staining.



Western blot analysis of extracts of various cell lines, using NPRL2 antibody at 1:1000 dilution.

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.