

## ARG64424 anti-TUSC4 / NPRL2 antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes TUSC4 / NPRL2
Tested Reactivity	Hu
Predict Reactivity	Ms
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	TUSC4 / NPRL2
Species	Human
Immunogen	QYSNVYCPTPKV
Conjugation	Un-conjugated
Alternate Names	TUSC4; Gene 21 protein; NPR2; NPR2-like protein; Tumor suppressor candidate 4; Nitrogen permease regulator 2-like protein; G21 protein; NPR2L

### Application Instructions

Application table	Application	Dilution
	WB	0.1 - 0.3 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Database links	<a href="#">GeneID: 10641 Human</a> <a href="#">Swiss-port # Q8WTW4 Human</a>
Gene Symbol	NPRL2
Gene Full Name	nitrogen permease regulator-like 2 (S. cerevisiae)
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 '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. [UniProt]
Research Area	Cancer antibody; Gene Regulation antibody
Calculated Mw	44 kDa

## Images



ARG64424 anti-TUSC4 / NPRL2 antibody WB image

Western Blot: Human Muscle lysate (35 µg protein in RIPA buffer) stained with ARG64424 anti-TUSC4 / NPRL2 (aa 140 to 151) antibody at 0.1 µg/ml dilution.