

## Anti-RILPL2 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Pig,Cow,Horse,Sheep)
Molecular Weight:	Theoretical: 24 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	1. Paraformaldehyde-fixed, paraffin embedded Rat Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with RILPL2 Polyclonal Antibody, Unconjugated (TMAB-12255) at 1: 200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining. 2. Paraformaldehyde-fixed, paraffin embedded Mouse Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with RILPL2 Polyclonal Antibody, Unconjugated (TMAB-12255) at 1: 200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
Application:	IHC-P,IHC-Fr,IF
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human RILPL2
Antigen Species:	Human
Gene ID:	196383
Uniprot ID:	Q969X0

## Research Background

RILPL2 is a 211 amino acid protein that belongs to the RILPL family. RILPL2 does not regulate lysosomal morphology or distribution. RILPL2 shares 32% and 18% amino acid identity with RILPL1 and RILP, respectively. RILPL2 as a novel interacting partner for the actin-based molecular motor MyoVa, and has a novel role for RILPL2 in controlling neuronal morphogenesis. It has been suggested that there is also a novel role for RILPL2 in the regulation of cellular shape and dendritic-spine morphogenesis, probably via the Rac1-Pak pathway. PCR analysis of human tissues detects highest RILPL2 expression in lung, followed by placenta. Lower expression is detected in liver, kidney, pancreas, heart and brain, but no expression is detected in skeletal muscle. The RILPL2 gene is conserved in chimpanzee, dog, cow, mouse, rat, chicken and zebrafish, and maps to human chromosome 12q24.31.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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