

For Research Use Only

# TRANK1 Polyclonal antibody, PBS Only

Catalog Number: 27583-1-PBS



## Basic Information

<b>Catalog Number:</b> 27583-1-PBS	<b>GenBank Accession Number:</b> NM_014831	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9881	
<b>Source:</b> Rabbit	<b>Full Name:</b> Lupus brain antigen 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 336 kDa	
<b>Immunogen Catalog Number:</b> AG26206	<b>Observed MW:</b> ~330 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## Background Information

Etratricopeptide repeat and ankyrin repeat containing 1 (TRANK1), has been confirmed as the susceptibility gene for BD (bipolar disorder). An integrated analysis of mRNA co-expression networks revealed that genes highly correlated with TRANK1 were significantly involved in the biological processes related to synaptic plasticity, dendritic spine, axon guidance and circadian rhythm. In addition, TRANK1 rs71947856 variant was associated with circadian regulation and Kleine-Levin syndrome, which is a rare disease characterized by severe episodic hypersomnia, with cognitive impairment and apathy or disinhibition. (PMID: 34014031)

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

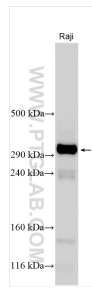
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27583-1-AP (TRANK1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 27583-1-PBS in a different storage buffer formulation.