

For Research Use Only

# TXLNB Polyclonal antibody

Catalog Number:22090-1-AP



## Basic Information

<b>Catalog Number:</b> 22090-1-AP	<b>GenBank Accession Number:</b> BC115383	<b>Purification Method:</b> Antigen affinity purification
<b>Concentration:</b> 350 ug/ml	<b>GeneID (NCBI):</b> 167838	<b>Recommended Dilutions:</b> WB 1:500-1:3000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8N3L3	
<b>Isotype:</b> IgG	<b>Full Name:</b> taxilin beta	
<b>Immunogen Catalog Number:</b> AG17295	<b>Calculated MW:</b> 684 aa, 77 kDa	
	<b>Observed MW:</b> 75 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : human heart tissue, mouse heart tissue
<b>Species Specificity:</b> human, mouse	

## Background Information

TXLNB (Taxilin beta, gliding protein beta) is a protein enriched predominantly in cardiomyocytes and belongs to the centrosome articulating protein family. It is localized in the perinuclear region of the centrosome and is closely associated with the microtubule organizing center (MTOC) and the ubiquitin-proteasome system (UPS). TXLNB plays an important role in protein homeostasis in cardiomyocytes, affecting intracellular protein degradation and quality control by regulating the interactions between centrosomes and proteasomes. TXLNB was found to have a key role in cardiomyocyte hypertrophy and cardiac proteotoxicity, and its overexpression enhances proteasome activity and reduces the accumulation of ubiquitylated proteins, whereas knockdown leads to proteasome insufficiency and a decline in cardiac function with age. In addition, TXLNB may be involved in the dynamic regulation of the cytoskeleton and microtubules.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

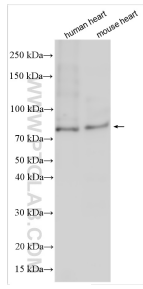
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 22090-1-AP (TXLNB antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.