

For Research Use Only

# PIANP Polyclonal antibody

Catalog Number: 32088-1-AP



## Basic Information

<b>Catalog Number:</b> 32088-1-AP	<b>GenBank Accession Number:</b> BC035736	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 480 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 196500	<b>Recommended Dilutions:</b> WB: 1:500-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8IYJ0	
<b>Isotype:</b> IgG	<b>Full Name:</b> chromosome 12 open reading frame 53	
<b>Immunogen Catalog Number:</b> AG35273	<b>Observed MW:</b> 30 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : A375 cells,
<b>Species Specificity:</b> human	

## Background Information

Pianp (also known as Leda-1) is a type I transmembrane protein with preferential expression in the mammalian CNS. Its processing is characterized by proteolytic cleavage by a range of proteases including Adam10, Adam17, MMPs, and the  $\gamma$ -secretase complex. Pianp can interact with Pilra and the GB1a subunit of the GABAB receptor (GBR) complex. Pianp represents a novel candidate gene involved in autism-like behavior, cerebellar and hippocampal pathology, and GBR signaling (PMID: 31511635).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

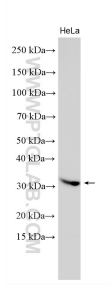
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32088-1-AP (C12orf53 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.