

For Research Use Only

# LAYN Recombinant antibody

Catalog Number: 85900-1-RR



## Basic Information

<b>Catalog Number:</b> 85900-1-RR	<b>GenBank Accession Number:</b> BC025407	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 143903	<b>CloneNo.:</b> 250175B7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q6UX15	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:50-1:500 IF/ICC 1:250-1:1000
<b>Isotype:</b> IgG	<b>Full Name:</b> layilin	
<b>Immunogen Catalog Number:</b> AG14508	<b>Calculated MW:</b> 382 aa, 43 kDa	
	<b>Observed MW:</b> 43 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, ELISA

**Species Specificity:**  
human, mouse, rat

**Note-IHC:** suggested antigen retrieval with **TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB :** Raji cells, HeLa cells, A549 cells, NCI-H1299 cells, A172 cells, mouse brain tissue, rat brain tissue

**IHC :** mouse brain tissue,

**IF/ICC :** A549 cells,

## Background Information

LAYN acts as a receptor for hyaluronic acid (HA) and is involved in various cellular processes, including cell adhesion, movement, and signal transduction. In the context of cancer, LAYN has been identified as a prognostic biomarker. High expression of LAYN is associated with poor prognosis and increased immune cell infiltration in various cancers, such as colorectal cancer and gastric cancer. It may also play a role in T-cell exhaustion and the regulation of tumor-associated macrophages (PMID: 30761122).

## 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**

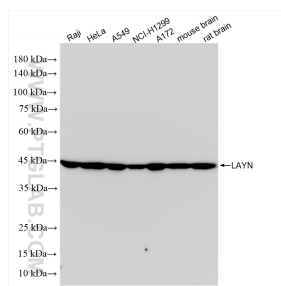
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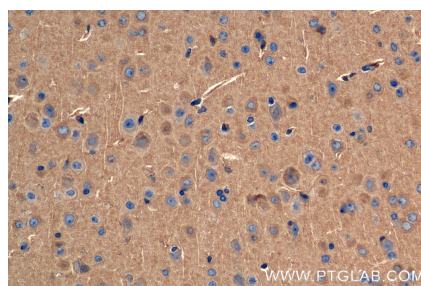
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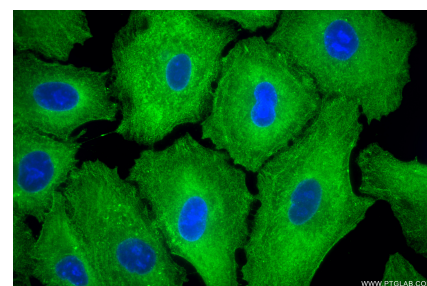
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85900-1-RR (LAYN antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 85900-1-RR (LAYN antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using LAYN antibody (85900-1-RR, Clone: 250175B7) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).