

For Research Use Only

# AARSD1 Polyclonal antibody

Catalog Number: 14900-1-AP



## Basic Information

<b>Catalog Number:</b> 14900-1-AP	<b>GenBank Accession Number:</b> BC004172	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 80755	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BTE6	
<b>Isotype:</b> IgG	<b>Full Name:</b> alanyl-tRNA synthetase domain containing 1	
<b>Immunogen Catalog Number:</b> AG6692	<b>Calculated MW:</b> 45 kDa	
	<b>Observed MW:</b> 45 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> mouse brain tissue, mouse testis tissue
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> mouse kidney tissue, mouse testis tissue

## Background Information

AARSD1(Alanyl-tRNA synthetase domain-containing protein 1) is also named as alanyl-tRNA editing protein Aarsd1 and belongs to the class-II aminoacyl-tRNA synthetase family. It plays a role in prevention of synthesis of proteins containing errors ( mistranslation)(PMID:18172502). It has 3 isoforms produced by alternative splicing with the molecular weight of 45 kDa, 59 kDa and 66 kDa.

## Storage

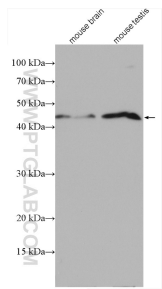
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

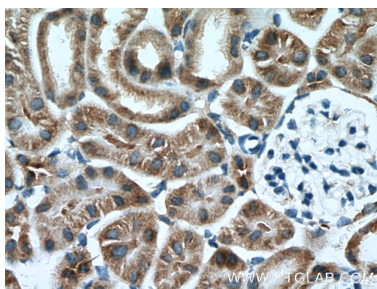
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

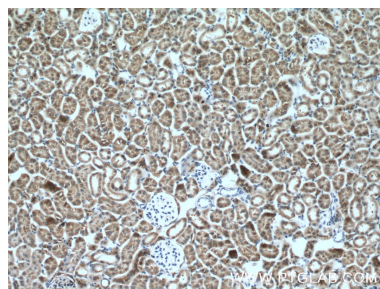
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14900-1-AP (AARSD1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 14900-1-AP (AARSD1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 14900-1-AP (AARSD1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).