

For Research Use Only

# YARS Recombinant antibody, PBS Only (Capture)

Catalog Number: 84859-3-PBS



## Basic Information

<b>Catalog Number:</b> 84859-3-PBS	<b>GenBank Accession Number:</b> BC016689	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8565	<b>CloneNo.:</b> 242400E9
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P54577	
<b>Isotype:</b> IgG	<b>Full Name:</b> tyrosyl-tRNA synthetase	
<b>Immunogen Catalog Number:</b> AG35148	<b>Calculated MW:</b> 59 kDa	
	<b>Observed MW:</b> 60 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human, pig

## Product Information

84859-3-PBS targets YARS as part of a matched antibody pair:

MP01634-2: 84859-3-PBS capture and 84859-2-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## Background Information

Tyrosyl-tRNA synthetase (YARS) is responsible for tyrosyl-tRNA aminoacylation. The functional enzyme exists as a homodimer, has potent leukocyte and monocyte chemotaxis activity, and stimulates production of myeloperoxidase, tumor necrosis factor- $\alpha$ , and tissue factor. A shift in the monomer:dimer equilibrium could result in dysregulation of the cytokines function. (PMID: 33490854)

## Storage

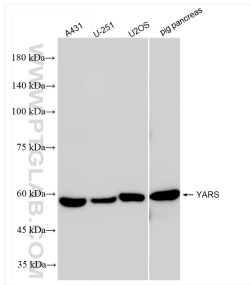
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

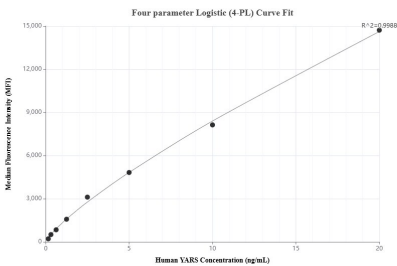
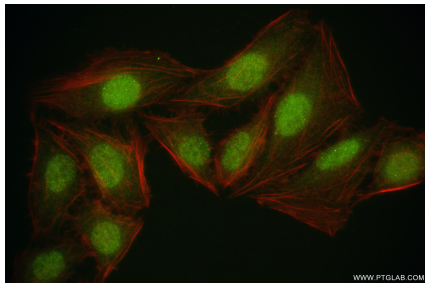
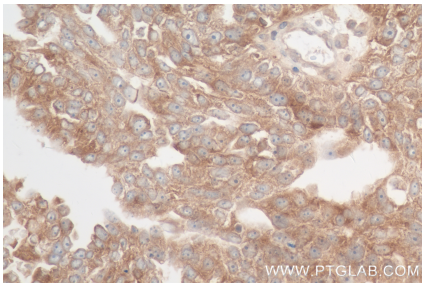
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

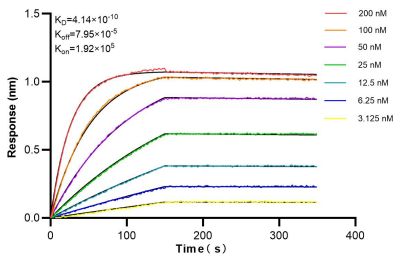
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84859-3-RR (YARS antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84859-3-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01634-2, YARS Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84859-3-PBS. Detection antibody: 84859-2-PBS. Standard: Ag35148. Range: 0.156-20 ng/mL



Biolayer interferometry (BLI) kinetic assays of 84859-3-RR against Human YARS were performed. The affinity constant is 0.414 nM.