

For Research Use Only

# CoraLite® Plus 647-conjugated AQP2 Recombinant monoclonal antibody

Catalog Number:CL647-85402



## Basic Information

<b>Catalog Number:</b> CL647-85402	<b>GenBank Accession Number:</b> NM_000486	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 359	<b>CloneNo.:</b> 242886B8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P41181	<b>Recommended Dilutions:</b> IF-P: 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> aquaporin 2 (collecting duct)	<b>Excitation/Emission maxima wavelengths:</b> 654 nm / 674 nm
<b>Immunogen Catalog Number:</b> AG29931	<b>Calculated MW:</b> 29 kDa	
	<b>Observed MW:</b> 28-29 kDa, 35-38 kDa	

## Applications

<b>Tested Applications:</b> IF-P	<b>Positive Controls:</b> IF-P : mouse kidney tissue,
<b>Species Specificity:</b> human, mouse	

## Background Information

AQP2 (Aquaporin2) is a water channel protein that is widely distributed among mammalian tissues and plays a major role in water homeostasis. AQP2 is mainly found in the apical cell membranes of the kidney's collecting duct cells and is critical for urinary concentration. AQP2 can be glycosylated and this antibody recognizes the 28-29 kDa non-glycosylated as well as the 35-40 kDa glycosylated forms of AQP2.

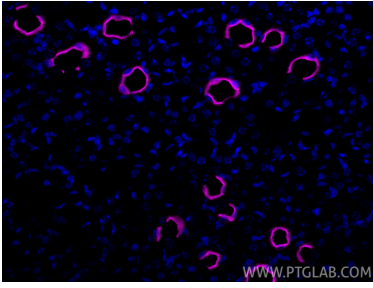
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3  
Aliquoting is unnecessary for -20°C storage

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



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse kidney tissue using CoraLite® Plus 647 AQP2 antibody (CL647-85402, Clone: 242886B8 ) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).