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**Product Name: Aquaporin 2 Rabbit Monoclonal Antibody****Catalog #: AMRe85301**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,IP
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,IP 1:10-1:20
<b>Molecular Weight</b>	Calculated MW: 29 kDa; Observed MW: 37 kDa

**Antigen Information**

<b>Gene Name</b>	Aquaporin 2
<b>Alternative Names</b>	AQP-CD; WCH-CD
<b>Gene ID</b>	359.0
<b>SwissProt ID</b>	P41181
<b>Immunogen</b>	A synthetic peptide of human Aquaporin 2

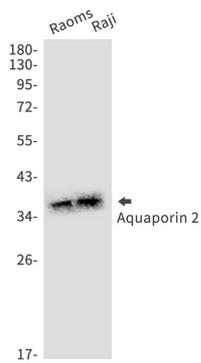
**Background**

The basic job of aquaporin 2 is to reabsorb water from the urine while its being removed from the blood by the kidney. Aquaporin 2 is in kidney epithelial cells and usually lies dormant in intracellular vesicle membranes, but when it is needed vasopressin binds to the cell surface vasopressin receptor, activating a signaling pathway that causes the aquaporin 2

containing vesicles to fuse with the plasma membrane so the aquaporin 2 can be used by the cell.

## Research Area

## Image Data



Western blot analysis of Aquaporin 2 in Raoms, Raji lysates using Aquaporin 2 antibody.