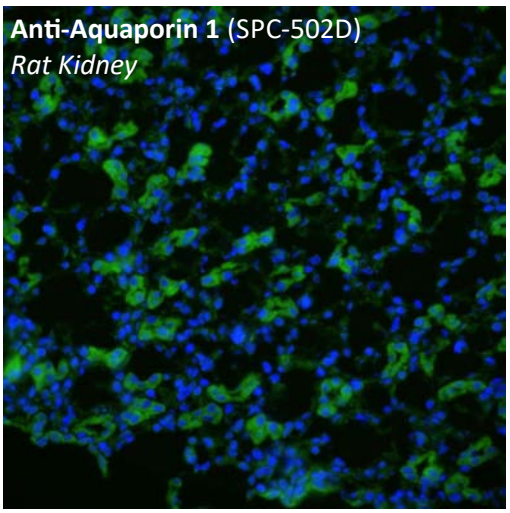
Aquaporin

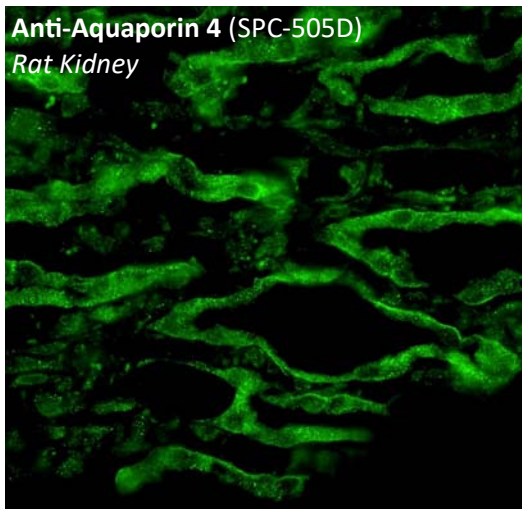
StressMarq Biosciences INC.

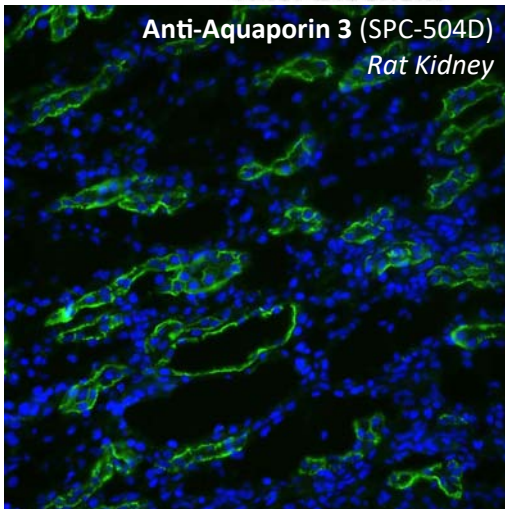
Antibodies • Proteins • Kits • Small Molecules

Aquaporin (Water Channel) Antibodies

Vinci-Biochem®







Target	Clone	Host	Application	Species	Catalog No.	Size
Aquaporin 1	PAb	Rb	WB, IF	Hu, Rt, Ms	SPC-502D	100µg
Aquaporin 2	PAb	Rb	WB, IF	Hu, Rt, Ms	SPC-503D	100µg
Aquaporin 3	PAb	Rb	WB, IF	Hu, Rt, Ms	SPC-504D	100µg
Aquaporin 4	PAb	Rb	WB, IF	Hu, Rt, Ms	SPC-505D	100µg

Target Information:

Aquaporins selectively conduct water molecules in and out of the cell, while preventing the passage of ions and other solutes. Also known as water channels, they are integral membrane pore proteins.

Aquaporin 1 is a widely expressed water channel, found in the basolateral and apical plasma membranes of the proximal tubes, the descending loop of Henle and in the descending portion of the vasa recta. Additionally it is found in red blood cells, vascular endothelium, gastrointestinal tract, sweat glands and lungs. It is not regulated by vasopressin.

Aquaporin 2 is the vasopressin-regulated water channel of the apical membrane of collecting duct cells. It is located in kidney epithelial cells and usually lies dormant in intracellular vesicle membranes.

Aquaporin 3 is found in the basolateral cell membrane of principal collecting duct cells and provide a pathway for water to exit these cells. AQP3 gene expression is not regulated by vasopressin.

Aquaporin 4 is constitutively expressed in the basolateral cell membrane of principal collecting duct cells in the kidney and provide a pathway for water to exit these cells. It is also expressed in astrocytes and is up-regulated by direct insult to the CNS.

For a complete list of available products, please visit: www.stressmarq.com

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