

Aquaporin 4(4H1)Mouse Monoclonal Antibody

Catalog# UZ-PA01321

Product information

产品货号	UZ-PA01321
别名	AQP4; Aquaporin-4; AQP-4; Mercurial-insensitive water channel; MIWC; WCH4
产品名称	Aquaporin 4(4H1)Mouse Monoclonal Antibody
类别	抗体产品
基因名称	AQP4
推荐应用	WB,IHC-P,IF-P,IF-F,IF-ICC
反应种属	Human,Mouse,Rat
存储缓冲液	PBS, pH 7.4, containing 0.5%BSA, 0.02% New type preservative N as Preservative and 50% Glycerol.
Human Gene ID	361
Human Swissprot No.	P55087
免疫原	Synthetic Peptide of Aquaporin 4
稀释度	WB 1:1000, IF-P/IF-F/IF-ICC 1:100-200, IHC-P 1:50-300
预测分子量	48kDa
运输及保存条件	-20°C/1 year
宿主	Mouse
背景介绍	This gene encodes a member of the aquaporin family of intrinsic membrane proteins that function as water-selective channels in the plasma membranes of many cells. This protein is the predominant aquaporin found in brain and has an important role in brain water homeostasis. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. A recent study provided evidence for translational readthrough in this gene and expression of an additional C-terminally extended isoform via the use of an alternative in-frame translation termination codon. [provided by RefSeq, Dec 2015],
细胞定位	Cell membrane ; Multi-pass membrane protein . Basolateral cell membrane ; Multi-pass membrane protein . Endosome membrane . Cell membrane, sarcolemma ; Multi-pass membrane protein . Cell projection . Activation of the vasopressin receptor AVPR1A triggers AQP4 phosphorylation at Ser-180 and promotes its internalization from the cell membrane. Detected on brain astrocyte processes and astrocyte endfeet close to capillaries. .
纯化	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Clonality	Monoclonal