

Aquaporin 4 Monoclonal Antibody

Cat #: ABM40062

Size: 30µl /100µl /200µl

Product Information

	Product Name: Aquaporin 4 Monoclonal Antibody		
	Applications: WB, IHC-P, IF		Isotype: Mouse IgG1
	Reactivity: Human, Mouse, Rat		
REF	Catalog Number: ABM40062	LOT	Lot Number: Refer to product label
	Formulation: Liquid		Concentration: 1 mg/ml
	Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.		Note: Contain sodium azide.

Background: AQP4 encodes a member of the aquaporin family of intrinsic membrane proteins that function as water-selective channels in the plasma membranes of many cells. Aquaporin 4 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 AQP4. A recent study provided evidence for translational readthrough in AQP4 and expression of an additional C-terminally extended isoform via the use of an alternative in-frame translation termination codon.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:1000), IF (1:100-1:200).

Storage Buffer: PBS, pH 7.4, containing 0.02% Sodium Azide as preservative and 50% Glycerol.

Storage Instructions: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

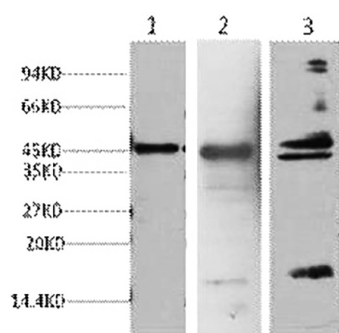


Fig.1. Western blot analysis of 1) Hela, 2) Mouse Heart tissue, 3) Rat Heart tissue, diluted at 1:2000.

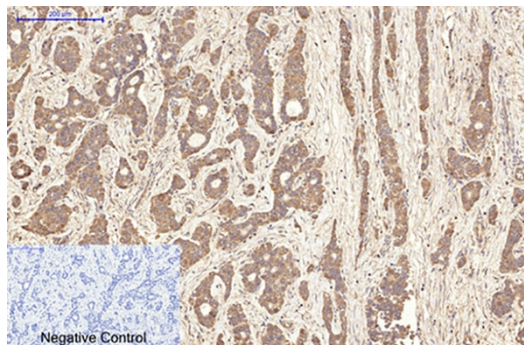


Fig.2. Immunohistochemical analysis of paraffin-embedded human liver cancer tissue. 1, Aquaporin 4 Monoclonal Antibody was diluted at 1:200 (4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20min). 3, secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control was used by secondary antibody only.

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