

**bsm-33068M****[ Primary Antibody ]**

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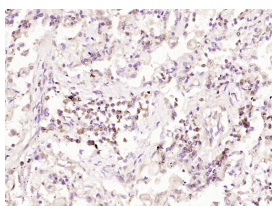
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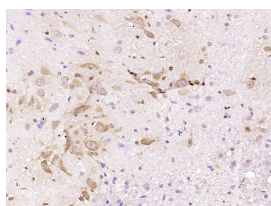
400-901-9800

**Aquaporin 4 Mouse mAb****— DATASHEET —**

<b>Host:</b> Mouse <b>Clonality:</b> Monoclonal <b>GeneID:</b> 361 <b>Target:</b> Aquaporin 4 <b>Purification:</b> affinity purified by Protein G <b>Concentration:</b> 1mg/ml <b>Storage:</b> Size : 50ul/100ul/200ul 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Size : 200ug (PBS only) 0.01M PBS Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. <b>Background:</b> 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. The encoded protein is the predominant aquaporin found in brain. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]	<b>Isotype:</b> IgG1 <b>CloneNo.:</b> 6G1 <b>SWISS:</b> P55087	<b>Applications:</b> IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) <b>Reactivity:</b> Human, Mouse, Rat  <b>Predicted MW.:</b> 36 kDa <b>Subcellular Location:</b> Cell membrane
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**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (Human lung cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Aquaporin 4) Monoclonal Antibody, Unconjugated (bsm-33068M) at 1:800 overnight at 4°C, followed by operating according to SP Kit(Mouse) (sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Aquaporin 4) Monoclonal Antibody, Unconjugated (bsm-33068M) at 1:800 overnight at 4°C, followed by operating according to SP Kit(Mouse) (sp-0024) instructions and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=4.6]** Yang Heng. et al. The relationship between myodural bridge, atrophy and hyperplasia of the suboccipital musculature, and cerebrospinal fluid dynamics. SCI REP-UK. 2023 Nov;13(1):1-15 IHC ;Rat. 37919345