

# Product Datasheet

## Aquaporin 1/AQP1 Antibody (8V1O3) NBP3-16354-100ul

Unit Size: 100 ul

Store at -20C. Avoid freeze-thaw cycles.

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**NBP3-16354-100ul**

Aquaporin 1/AQP1 Antibody (8V1O3)

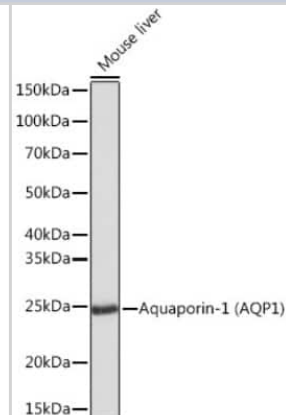
| Product Information     |   |
|-------------------------|---|
| Unit Size               | 100 ul  |
| Concentration           | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage                 | Store at -20C. Avoid freeze-thaw cycles.  |
| Clonality               | Monoclonal  |
| Clone                   | 8V1O3   |
| Preservative            | 0.02% Sodium Azide  |
| Isotype                 | IgG   |
| Purity                  | Affinity purified   |
| Buffer                  | PBS (pH 7.3), 50% glycerol, 0.05% BSA   |
| Target Molecular Weight | 29 kDa  |

| Product Description |   |
|---------------------|---|
| Host                | Rabbit  |
| Gene ID             | 358   |
| Gene Symbol         | AQP1  |
| Species             | Human, Mouse, Rat   |
| Immunogen           | A synthetic peptide corresponding to a sequence within amino acids 170-269 of human Aquaporin-1 (Aquaporin 1/AQP1) (P29972).<br>LAIGLSVALGHLLAIDYTGCGINPARSFGSAVITHNFSNHWIFWVGPFIGGALAVL<br>IYDFILAPRSSDLTDRVKVWTSQGVEEYDLDAADDINSRVEMKPK |

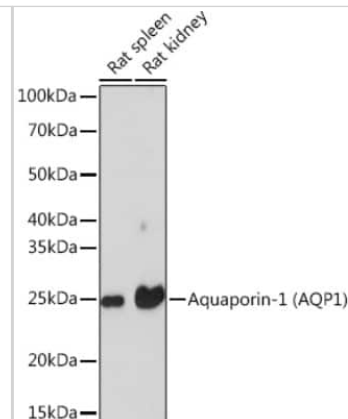
| Product Application Details |   |
|-----------------------------|---|
| Applications                | Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry  |
| Recommended Dilutions       | Western Blot 1:1000 - 1:6000, ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements., Immunohistochemistry 1:500 - 1:2000, Immunocytochemistry/Immunofluorescence 1:100 - 1:1000, Immunohistochemistry-Paraffin 1:500 - 1:2000 |

**Images**

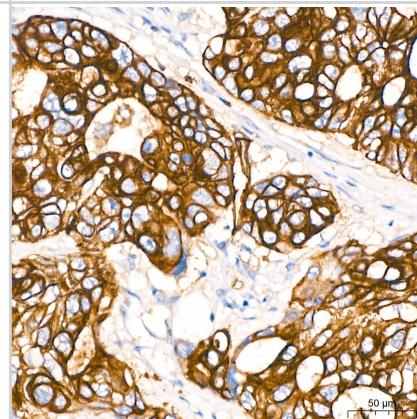
Western Blot: Aquaporin 1/AQP1 Antibody (8V1O3) [NBP3-16354] - Western blot analysis of extracts of Mouse liver, using Aquaporin-1 (Aquaporin 1/AQP1) Rabbit mAb (NBP3-16354) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.



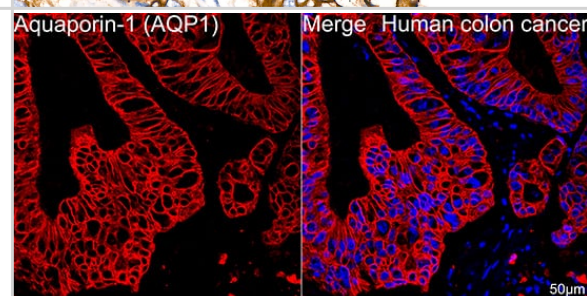
**Western Blot: Aquaporin 1/AQP1 Antibody (8V1O3) [NBP3-16354]** - Western blot analysis of extracts of various cell lines, using Aquaporin-1 (Aquaporin 1/AQP1) Rabbit mAb (NBP3-16354) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.



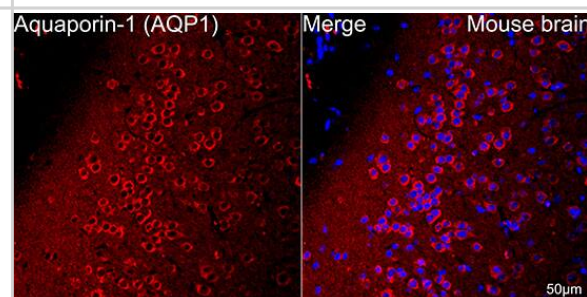
**Immunohistochemistry: Aquaporin 1/AQP1 Antibody (8V1O3) [NBP3-16354]** - Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using Aquaporin-1 Rabbit mAb at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



**Immunocytochemistry/ Immunofluorescence: Aquaporin 1/AQP1 Antibody (8V1O3) [NBP3-16354]** - Confocal imaging of paraffin-embedded Human colon cancer tissue using Aquaporin-1 Rabbit mAb followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) . DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



**Immunocytochemistry/ Immunofluorescence: Aquaporin 1/AQP1 Antibody (8V1O3) [NBP3-16354]** - Confocal imaging of paraffin-embedded Mouse brain tissue using Aquaporin-1 Rabbit mAb followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) . DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.





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### **Products Related to NBP3-16354-100ul**

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|               |   |
|---------------|---|
| HAF008        | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160        | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891    | Rabbit IgG Isotype Control                          |
| NBP1-84488PEP | Aquaporin 1/AQP1 Recombinant Protein Antigen        |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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