

## Product Datasheet

### Aquaporin 2 Antibody (Biotin) (orb152802)

|                             |  |
|-----------------------------|--|
| <b>Catalog Number</b>       | orb152802  |
| <b>Category</b>             | Antibodies   |
| <b>Description</b>          | Rabbit polyclonal antibody against Aquaporin 2 Conjugated to Biotin                          |
| <b>Target</b>               | Aquaporin 2  |
| <b>Clonality</b>            | Polyclonal   |
| <b>Species/Host</b>         | Rabbit   |
| <b>Conjugation</b>          | Biotin   |
| <b>Reactivity</b>           | Human, Mouse, Rat  |
| <b>Concentration</b>        | 1 mg/ml  |
| <b>Buffer/Preservatives</b> | 136.36mM Ethanolamine, 133.23 mM Chlorides, 9.55mM Phosphates, 9.55mM Sodium Bicarbonate.    |
| <b>Purification</b>         | Protein A Purified   |
| <b>Immunogen</b>            | Produced against the C-terminal peptide (Sequence N-CLKGLEPDTDWEEREVRRRQ) of rat aquaporin 2 |
| <b>UniProt ID</b>           | <b>P34080</b>  |
| <b>MW</b>                   | 35-50kDa   |
| <b>Tested applications</b>  | ICC, IF, IHC, WB   |
| <b>Dilution range</b>       | WB (1:2000), IHC (1:200), ICC/IF (1:400)   |

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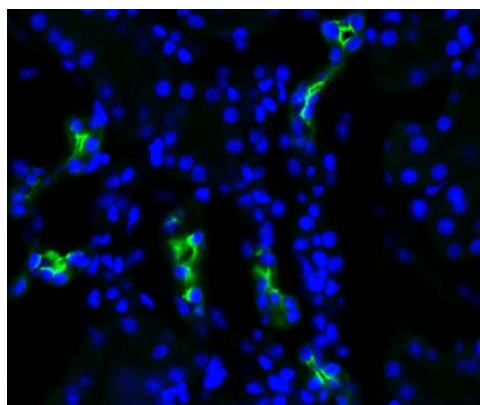
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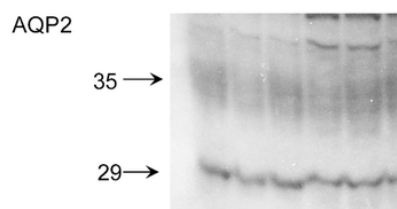
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|                          |  |
|--------------------------|--|
| <b>Application notes</b> | 0.5 µg/ml was sufficient for detection of aquaporin 2 in 10 µg of rat kidney tissue lysate by colorimetric immunoblot analysis using Goat anti-rabbit IgG:HRP as the secondary antibody. |
| <b>Specificity</b>       | Detects ~28.8kDa. May detect larger glycosylated bands ~35-50kDa.  |
| <b>Storage</b>           | Conjugated antibodies should be stored according to the product label  |
| <b>Note</b>              | For research use only  |
| <b>Entrez</b>            | <b>25386</b>   |
| <b>NCBI</b>              | <b>NP_037041.2</b>   |
| <b>Expiration Date</b>   | 12 months from date of receipt.  |



Immunohistochemistry analysis using Rabbit Anti-Aquaporin 2 Polyclonal Antibody. Tissue: kidney tissue. Species: Rat. Fixation: 4% paraformaldehyde-lysine-periodate. Primary Antibody: Rabbit Anti-Aquaporin 2 Polyclonal Antibody at 1:200 for 75 min at RT. Secondary Antibody: FITC Goat Anti-Rabbit (green) for 1 hour at RT. 4 µm cryostat sections.



Western blot analysis of Rat kidney inner medullary homogenates showing detection of Aquaporin 2 protein using Rabbit Anti-Aquaporin 2 Polyclonal Antibody. Primary Antibody: Rabbit Anti-Aquaporin 2 Polyclonal Antibody at 1:2000. Showing glycosylated and non-glycosylated bands.

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