

## Product Datasheet

### Aquaporin 2 Antibody (HRP) (orb152804)

<b>Catalog Number</b>	orb152804
<b>Category</b>	Antibodies
<b>Description</b>	Rabbit polyclonal antibody against Aquaporin 2 Conjugated to HRP
<b>Target</b>	Aquaporin 2
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Conjugation</b>	HRP
<b>Reactivity</b>	Human, Mouse, Rat
<b>Concentration</b>	1 mg/ml
<b>Buffer/Preservatives</b>	73.64mM Carbonate, 54.55mM Ethanolamine, 45.45mM Cyanoborohydride, 18.18mM Sodium Hydroxide, 0.23mM Citrate
<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)

**Biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

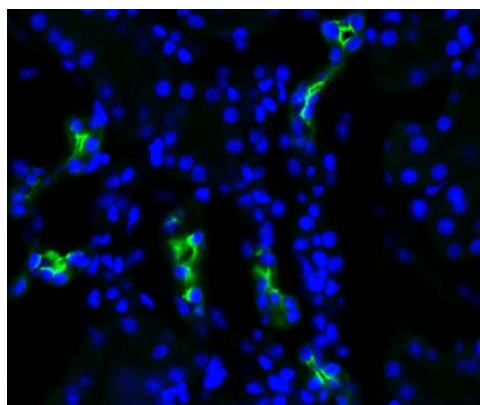
**Biorbyt LLC**

68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713-2847  
United States

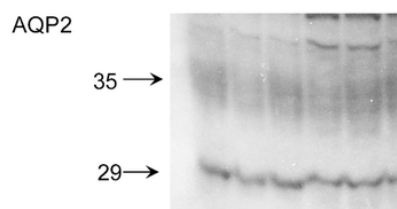
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

<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.

**Biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

**Biorbyt LLC**

68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713-2847  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)