

Product Datasheet

Aquaporin 4 Antibody (APC) (orb152835)

Catalog Number	orb152835
Category	Antibodies
Description	Rabbit polyclonal antibody against Aquaporin 4 Conjugated to APC
Target	Aquaporin 4
Clonality	Polyclonal
Species/Host	Rabbit
Conjugation	APC
Reactivity	Human, Mouse, Rat
Concentration	1 mg/ml
Buffer/Preservatives	95.46mM Phosphate, 2.48mM MES and 2mM EDTA
Purification	Protein A Purified
Immunogen	Produced against the C-terminal peptide (Sequence N-CTKGSYMEVEDNRSQVETED) of rat aquaporin 4
UniProt ID	P47863
MW	50kDa
Tested applications	ICC, IF, IHC, WB
Dilution range	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, support@biorbyt.com

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

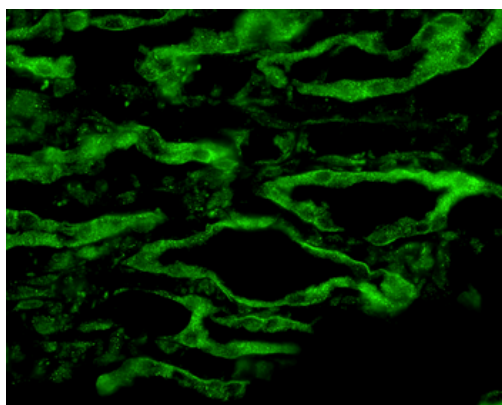
Biorbyt LLC

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

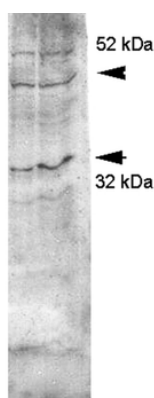
Email: info@biorbyt.com, support@biorbyt.com

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

Application notes	0.5 µg/ml was sufficient for detection of aquaporin 4 in 10 µg of rat kidney tissue lysate by colorimetric immunoblot analysis using Goat anti-rabbit IgG:HRP as the secondary antibody.
Specificity	Detects ~35kDa. May detect larger glycosylated bands ~50kDa.
Storage	Conjugated antibodies should be stored according to the product label
Note	For research use only
Entrez	25293
NCBI	NP_036957.1
Expiration Date	12 months from date of receipt.



Immunohistochemistry analysis using Rabbit Anti-Aquaporin 4 Polyclonal Antibody. Tissue: kidney tissue. Species: Rat. Fixation: 4% paraformaldehyde-lysine-periodate. Primary Antibody: Rabbit Anti-Aquaporin 4 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 4 protein using Rabbit Anti-Aquaporin 4 Polyclonal Antibody. Primary Antibody: Rabbit Anti-Aquaporin 4 Polyclonal Antibody at 1:2000.

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NC 27713-2847
United States

Email: info@biorbyt.com, support@biorbyt.com

Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558