

Product Datasheet

AQP7 Rabbit Polyclonal Antibody (orb500674)

Catalog Number	orb500674
Category	Antibodies
Description	AQP7 Rabbit Polyclonal Antibody
Target	AQP7
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse
Predicted Reactivity	Bovine, Canine, Gallus, Porcine, Rat
Form/Appearance	Liquid
Concentration	1mg/ml
Buffer/Preservatives	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
Purification	Affinity purified by Protein A
Immunogen	KLH conjugated synthetic peptide derived from human AQP7 (251-342/342aa)
UniProt ID	O14520
MW	40 kDa
Tested applications	FC, IF, IHC-Fr, IHC-P, WB

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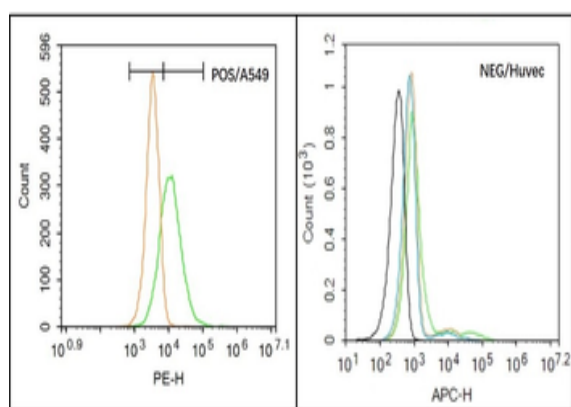
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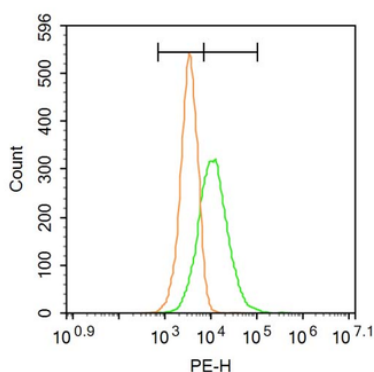
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Dilution range	WB=1:500-2000, IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500, Flow-Cyt=2ug/test
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Black line: Positive blank control (A549), Negative blank control (HUVEC), Green line: Primary Antibody (Rabbit Anti-AQP7 antibody (orb500674)), Orange line: Isotype Control Antibody (Rabbit IgG). Blue line: Secondary Antibody (Goat anti-rabbit IgG-AF488), A549 (Positive) and HUVEC (Negative control) cells (black) were incubated in 5% BSA blocking buffer for 30 min at room temperature. Cells were then stained with AQP7 Antibody (orb500674) at 1:50 dilution in blocking buffer and incubated for 30 min at room temperature, washed twice with 2% BSA in PBS, followed by secondary antibody (blue) incubation for 40 min at room temperature. Acquisitions of 20000 events were performed. Cells stained with primary antibody (green), and isotype control (orange).



Blank control: A549. Primary Antibody (green line): Rabbit Anti-AQP7 antibody (orb500674), dilution: 3 µg/10⁶ cells, Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-PE, dilution: 3 µg/Test. Protocol, The cells were incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20000 events was performed.

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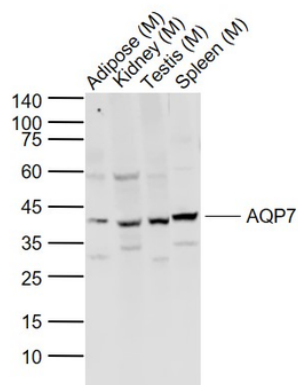
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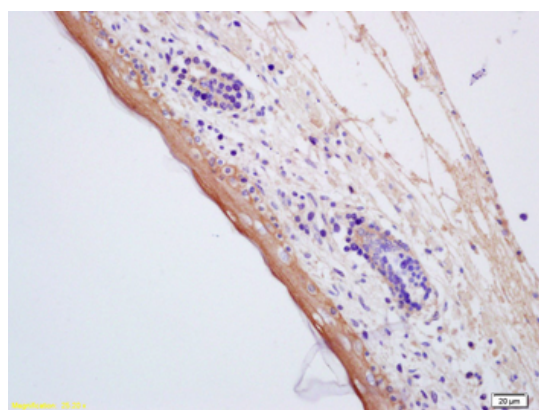
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Sample: Lane 1: Adipose (Mouse) Lysate at 40 ug, Lane 2: Kidney (Mouse) Lysate at 40 ug, Lane 3: Testis (Mouse) Lysate at 40 ug, Lane 4: Spleen (Mouse) Lysate at 40 ug, Primary: Anti-AQP7 (orb500674) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 37/18 kD, Observed band size: 40 kD.



Tissue/Cell: Mouse embryos, 4% Paraformaldehyde-fixed and paraffin-embedded, Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15 min, Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min, Blocking buffer (normal goat serum) at 37°C for 20 min, Incubation: Anti-AQP7 Polyclonal Antibody, Unconjugated (orb500674) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

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