

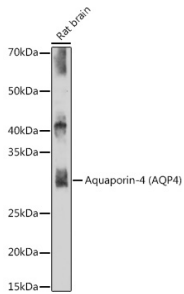
## Anti-Aquaporin 4 Antibody [ARC54345] (A80530)

### Specifications:

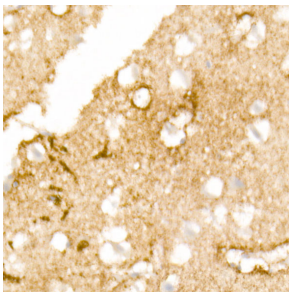
Name:	Anti-Aquaporin 4 Antibody [ARC54345]
Description:	Rabbit monoclonal [ARC54345] antibody to Aquaporin 4.
Applications:	WB, IHC, ICC/IF
Recommended Dilutions:	WB: 1:100-1:500, IHC: 1:50-1:200, ICC/IF: 1:50-1:200
Reactivity:	Human, Mouse, Rat
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 256-323 of human Aquaporin-4 (AQP4) (NP_001641.1).
Sequence:	VEFKRRFKEAFSKAAQQTKGSYMEVEDNRSQVETDDLILKPGVVHVIDVDRGEEKKGK DQSGEVLSSV
Host:	Rabbit
Clonality:	Monoclonal
Clone ID:	ARC54345
Isotype:	IgG
Conjugate:	Unconjugated
Purification:	Affinity purification.
Molecular Weight:	30 kDa
Product Form:	Liquid
Formulation:	Supplied in Phosphate Buffered Saline, pH 7.3, with 50% Glycerol, 0.05% BSA, and 0.05% Proclin 300.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

## Anti-Aquaporin 4 Antibody [ARC54345] (A80530)

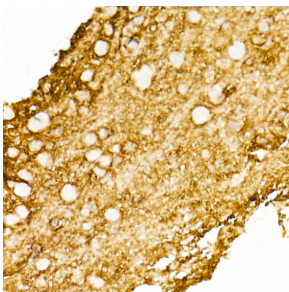
### Images:



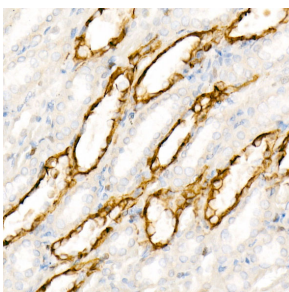
Western blot analysis of extracts of Rat brain, using Anti-Aquaporin 4 Antibody [ARC54345] (A80530) at 1:500 dilution. The secondary antibody was Goat Anti-Rabbit IgG H&L Antibody (HRP) at 1:10,000 dilution. Lysates/proteins were present at 25 $\mu$ g per lane. The blocking buffer used was 3% non-fat dry milk in TBST. Detection was with a ECL Enhanced Kit (RM00021). Exposure time: 180s.



Immunohistochemistry analysis of paraffin-embedded human brain tissue using Anti-Aquaporin 4 Antibody [ARC54345] (A80530) at a dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded mouse brain using Anti-Aquaporin 4 Antibody [ARC54345] (A80530) at a dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded rat kidney using Anti-Aquaporin 4 Antibody [ARC54345] (A80530) at a dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.