

Product datasheet for **TA373619**

Aquaporin 4 (AQP4) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, IHC, WB
Recommended Dilution:	WB,1:500 - 1:2000 IHC,1:50 - 1:200 IF,1:50 - 1:200
Reactivity:	Human, Mouse, Rat
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 244-323 of human Aquaporin-4 (AQP4) (NP_001641.1).
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	32kDa/34kDa
Gene Name:	aquaporin 4
Database Link:	Entrez Gene 361 Human P55087



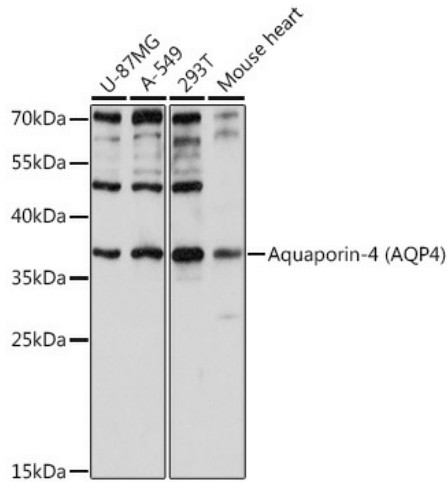
[View online »](#)

Background:

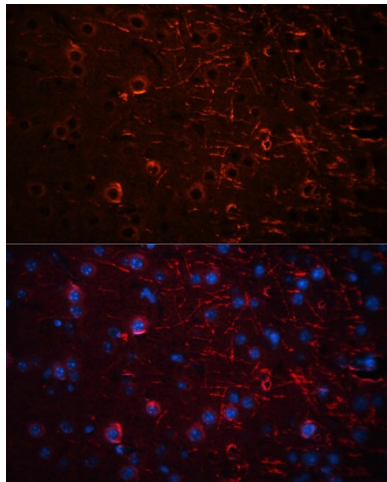
This gene encodes a member of the aquaporin family of intrinsic membrane proteins that function as water-selective channels in the plasma membranes of many cells. This protein is the predominant aquaporin found in brain and has an important role in brain water homeostasis. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. A recent study provided evidence for translational readthrough in this gene and expression of an additional C-terminally extended isoform via the use of an alternative in-frame translation termination codon.

Synonyms:

AQP-4; aquaporin-4; HMIWC2; MGC22454; MIWC; WCH4

Product images:


Western blot analysis of extracts of various cell lines, using Aquaporin-4 (AQP4) antibody (TA373619) at 1:3000 dilution. |Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. |Lysates/proteins: 25ug per lane. |Blocking buffer: 3% nonfat dry milk in TBST. |Detection: ECL Basic Kit . |Exposure time: 5s.



Immunofluorescence analysis of mouse brain using Aquaporin-4 (AQP4) Polyclonal Antibody (TA373619) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.