

Product datasheet for **TA323133**

Aquaporin 4 (AQP4) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Mouse heart tissue IHC: 25-100 Positive control: Human colon cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 307-321 amino acids of Human Aquaporin 4
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	32 kDa
Gene Name:	aquaporin 4
Database Link:	NP_001641 Entrez Gene 11829 Mouse Entrez Gene 25293 Rat Entrez Gene 361 Human P55087
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. The encoded protein is the predominant aquaporin found in brain. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

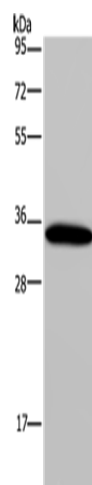


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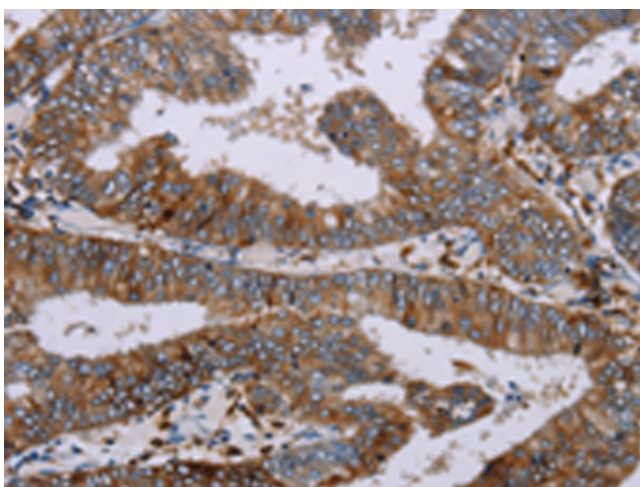
Synonyms: HMIWC2; MIWC

Protein Families: Druggable Genome, Transmembrane

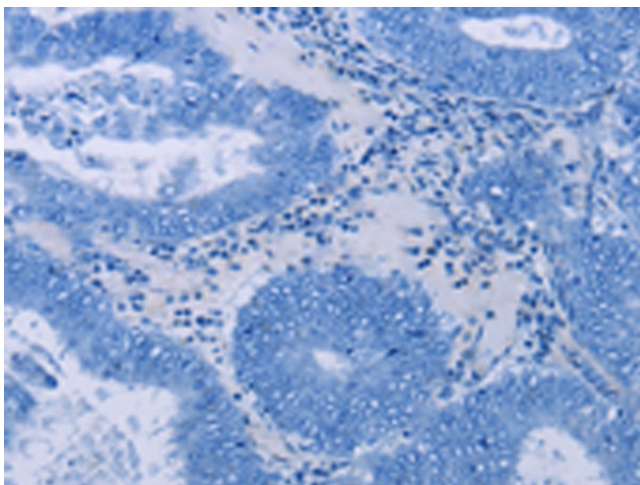
Product images:



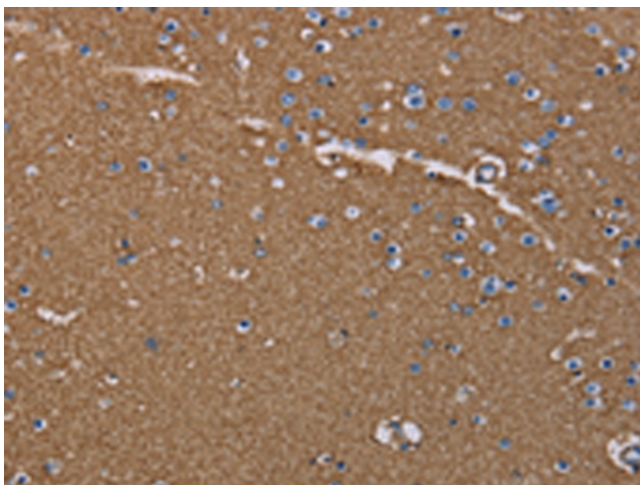
Gel: 10%SDS-PAGE
Lysate: 40 µg
Lane: Mouse heart tissue
Primary antibody: TA323133 (AQP4 Antibody) at dilution 1/200
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 1 minute



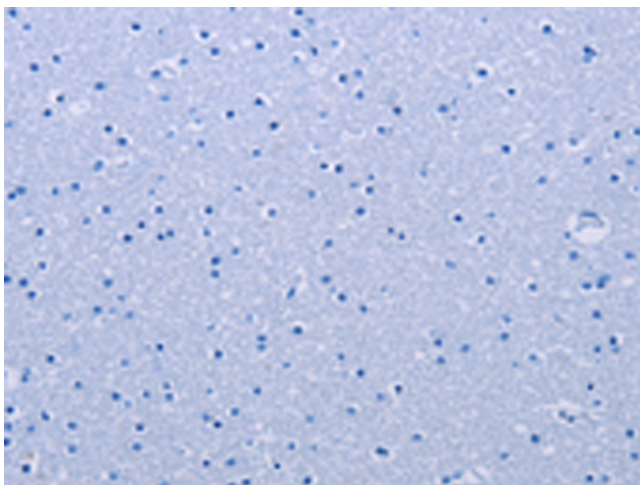
Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA323133 (AQP4 Antibody) at dilution 1/20 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA323133 (AQP4 Antibody) at dilution 1/20, treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human brain tissue using TA323133 (AQP4 Antibody) at dilution 1/20 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human brain tissue using TA323133 (AQP4 Antibody) at dilution 1/20, treated with synthetic peptide. (Original magnification: ×200)