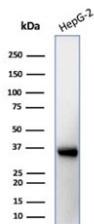


AQP4 Antibody / Aquaporin 4 [clone AQP4/3323] (V5750)

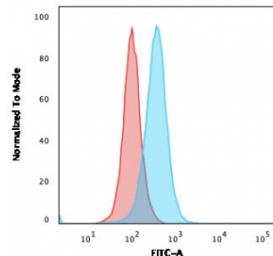
| Catalog No. | Formulation | Size |
|----------------|---|--------|
| V5750-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V5750-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V5750SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

Bulk quote request

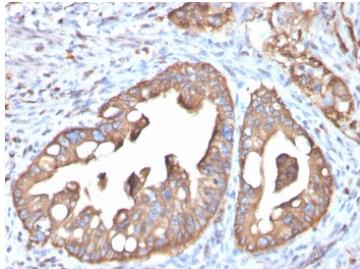
| | |
|---------------------------|---|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Purified |
| Host | Mouse |
| Clonality | Monoclonal (mouse origin) |
| Isotype | Mouse IgG1, kappa |
| Clone Name | AQP4/3323 |
| Purity | Protein G affinity |
| UniProt | P55087 |
| Localization | Cell membrane, cytoplasm |
| Applications | Flow Cytometry : 1-2ug/million cells Immunohistochemistry (FFPE) : 1-2ug/ml Western Blot : 2-4ug/ml |
| Limitations | This AQP4 antibody is available for research use only. |



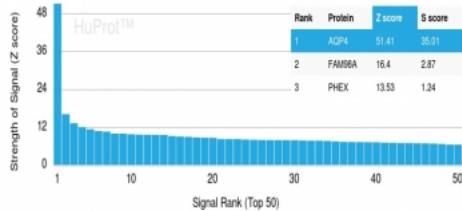
Western blot testing of human brain tissue lysate with AQP4 antibody (clone AQP4/3323). Observed molecular weight: 35~45 kDa depending on glycosylation level.



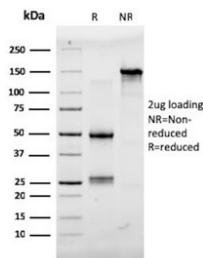
Flow cytometry staining of PFA-fixed human Ramos cells with AQP4 antibody (clone AQP4/3323); Red=isotype control, Blue= AQP4 antibody.



IHC staining of FFPE human small intestine tissue with AQP4 antibody (clone AQP4/3323). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using AQP4 antibody (clone AQP4/3323). These results demonstrate the foremost specificity of the AQP4/3323 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free AQP4 antibody (clone AQP4/3323) as confirmation of integrity and purity.

Description

Aquaporin 4 plays an important role in brain water homeostasis. [UniProt]

Application Notes

Optimal dilution of the AQP4 antibody should be determined by the researcher.

Immunogen

A human partial recombinant protein (from within amino acids 200-323) was used as the immunogen for the AQP4 antibody.

Storage

Aliquot the AQP4 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

