

Product Datasheet

Aquaporin 4 Antibody (orb1906391)

Description

Aquaporin 4 Antibody

Species/Host

Mouse

Reactivity

Human

Conjugation

Unconjugated

Tested

ELISA, FA, FC, IP

Applications

Immunogen

The original antibody was generated by immunizing an aquaporin 4 knock out mice with human AQP4 as an immunogen expressed on the surface of baculovirus.

Target

Aquaporin 4

Preservatives

PBS with 0.02% Proclin 300.

Concentration

1 mg/ml

Storage

Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Note

For research use only

Application notes

This antibody binds extracellular domain of human aquaporin 4 with a very high binding affinity. The binding of this antibody inhibits the binding of NMO-IgG to AQP4 (PMID: 23746426). The binding affinity of this antibody for human AQP4 M23 isoform expressed on the surface of baculovirus and CHO cells was tested with ELISA (PMID: 26398585; WO2014196658). The binding characterization of this antibody was done using flow cytometry. This antibody can be used for the immunoprecipitation of human AQP4 but not mouse AQP4 (WO2014196658; PMID: 23909421). This antibody is not suitable for detection of denatured human AQP4 in a western blot assay (WO2014196658).

Isotype

IgG

Clonality

Monoclonal

Uniprot ID

P55087

Expiration Date

12 months from date of receipt.