

Datasheet for ABIN3030004
anti-AQP3 antibody (AA 163-191)



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3 Images

Overview

Quantity:	0.4 mL
Target:	AQP3
Binding Specificity:	AA 163-191
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AQP3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	A portion of amino acids 163-191 from the human protein was used as the immunogen for this AQP3 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Rat, Bovine
Purification:	Antigen affinity purified

Target Details

Target:	AQP3
Alternative Name:	AQP3 (AQP3 Products)
Background:	Aquaporin 3 is a water channel protein. Aquaporins are a family of small integral membrane

Target Details

proteins related to the major intrinsic protein (MIP or AQP0). Aquaporin 3 is localized at the basal lateral membranes of collecting duct cells in the kidney. In addition to its water channel function, aquaporin 3 has been found to facilitate the transport of nonionic small solutes such as urea and glycerol, but to a smaller degree. It has been suggested that water channels can be functionally heterogeneous and possess water and solute permeation mechanisms.

UniProt: [Q92482](#)

Application Details

Application Notes: Titration of the AQP3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

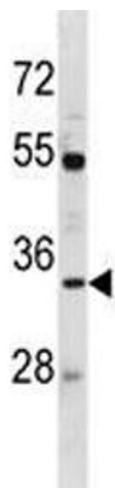
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Aliquot the AQP3 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

Image 1. AQP3 antibody western blot analysis in MDA-MB453 lysate



Western Blotting

Image 2. AQP3 antibody western blot analysis in mouse kidney tissue lysate



Western Blotting

Image 3. AQP3 antibody western blot analysis in mouse kidney tissue lysate