

Datasheet for ABIN3031681
anti-MIP antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	MIP
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MIP antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	An amino acid sequence from the C-terminus of mouse Aquaporin 0 (NGQPEGTGEPVELKTQAL) was used as the immunogen for this Aquaporin 0 antibody (100% rat homology).
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	MIP
Alternative Name:	Aquaporin 0 (MIP Products)
Background:	Aquaporin 0, also called Lens fiber major intrinsic protein, MIP26 and MP26, is a protein that in humans is encoded by the MIP gene. It is a member of the water-transporting aquaporins as

Target Details

well as the original member of the MIP family of channel proteins. Using 2-color fluorescence in situ hybridization on high-resolution R-banded chromosomes and human genomic DNA clones for MIP as probes, this gene was found that located in close proximity in region 12q13. MIP/Aquaporin 0 plays a crucial role in the development of a transparent eye lens. This gene may be responsible for regulating the osmolarity of the lens and interactions between homotetramers from adjoining membranes may stabilize cell junctions in the eye lens core.

UniProt: [P09011](#)

Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the Aquaporin 0 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL

Restrictions: For Research Use only

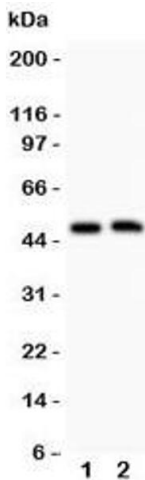
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

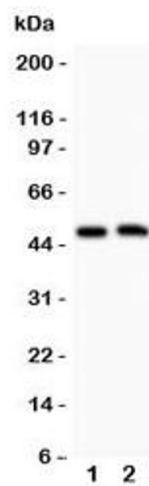
Storage Comment: After reconstitution, the Aquaporin 0 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot testing of Aquaporin 0 antibody and
Lane 1: mouse spleen; 2: mouse intestine; Observed size:
28-60KD, depending on level of glycosylation



Western Blotting

Image 2. Western blot testing of Aquaporin 0 antibody and
Lane 1: mouse spleen