

AQP7 antibody

Catalog No: #62237

Package Size: #62237 100ul

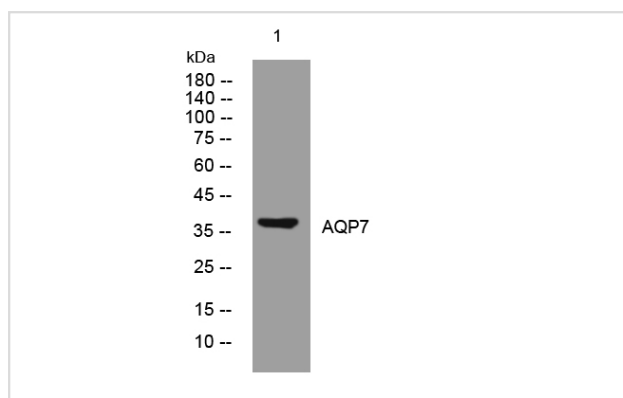
Description

Product Name	AQP7 antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of AQP7.
Immunogen Description	Synthesized peptide derived from human AQP7 AA range: 136-186.
Target Name	AQP7
Calculated MW	38kD
Concentration	1mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

WB 1:500-2000

Images



Western blot analysis of lysates from MCF-7 cells using AQP7 antibody at 1:1000.

Background

This gene encodes a member of the aquaporin family of water-selective membrane channels. The encoded protein localizes to the plasma membrane and allows movement of water, glycerol and urea across cell membranes. This gene is highly expressed in the adipose tissue where the encoded protein facilitates efflux of glycerol. In the proximal straight tubules of kidney, the encoded protein is localized to the apical membrane and prevents excretion of glycerol into urine. The encoded protein is present in spermatids, as well as in the testicular and epididymal spermatozoa suggesting an important role in late spermatogenesis. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. This gene is located adjacent to a related aquaporin gene on chromosome 9. Multiple pseudogenes of this gene have been identified. [provided by RefSeq, Dec

Note: This product is for in vitro research use only and is not intended for use in humans or animals.