

AQP7 rabbit pAb

Cat No.:ES18279

For research use only

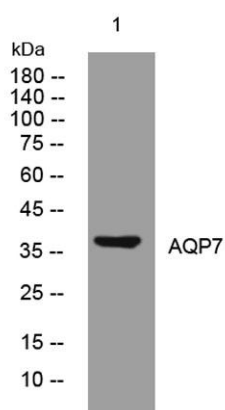
Overview

Product Name	AQP7 rabbit pAb
Host species	Rabbit
Applications	WB
Species Cross-Reactivity	Human; Mouse;Rat
Recommended dilutions	WB 1: 500-2000
Immunogen	Synthesized peptide derived from human AQP7 AA range: 136-186
Specificity	This antibody detects endogenous levels of AQP7 at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	AQP7
Gene Name	AQP7 AQP7L AQP9
Cellular localization	Cell membrane ; Multi-pass membrane protein . Cytoplasm, cell cortex . Cytoplasmic vesicle membrane ; Multi-pass membrane protein . Lipid droplet . Internalized from the cell membrane in response to catecholamine-induced activation of PKA; detected on int
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	364
Human Swiss-Prot Number	O14520
Alternative Names	
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 2015],



Western blot analysis of lysates from MCF-7 cells, primary antibody was diluted at 1:1000, 4°over night

