Product **Datasheet**

Anti-AQP8 Rabbit pAb

WLA0624

For Research Use Only.Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-AQP8 Rabbit pAb
Source	Rabbit
Species reactivity	Human, Mouse, Rat
Tested applications	WB 1:1000-1:2000
Pack size	50/100/200/500/1000μl
Storage	Store at -20°C. Avoid freeze/thaw cycles.
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide

General Information

Background

Aquaporin 8 (AQP8) belongs to the family of aquaporins, which are small membrane-bound integrated proteins associated with major intrinsic proteins (MIPs, i.e. AQP0). In the plasma membrane of renal tubules, AQP8 mediates the permeation and transport of water to the bile duct, promoting cAMP induced bile duct water secretion and playing a key role in bile formation. In addition, AQP8 also mediates the release of hydrogen peroxide from liver cell mitochondria, regulates cholesterol synthesis mediated by sterol regulatory element binding protein 2 (SREBF2), and promotes mitochondrial uptake of ammonia (mainly metabolized into urea under glucagon stimulation). AQP8 may play an important role in the adaptive response to acidosis in proximal renal tubular cells, possibly by promoting mitochondrial ammonia transport.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of AQP8.

Purification

Polyclonal antibody was purified by Protein A affinity chromatography.

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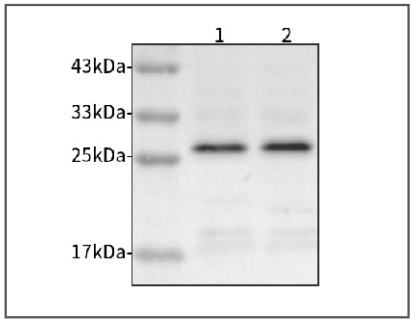
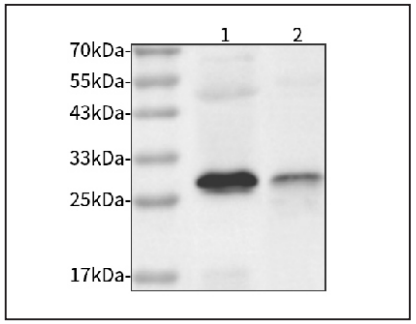
Product Images



Western blot-Anti-AQP8 pAb

Lane 1: Human HCT116 cell lasate
Lane 2: Human TPC-1 cell lasate
All lanes: Anti-AQP8 at 1:2000 dilution
Lysates/proteins at 20-50 μg per lane.
Predicted band size: 27 kDa
Observed band size: 27 kDa



Western blot-Anti-AQP8 pAb

Lane 1: Mouse pancreas tissue lysate
Lane 2: Rat colon tissue lysate
All lanes: Anti-AQP8 at 1:2000 dilution
Lysates/proteins at 20-50 μg per lane.
Predicted band size: 27 kDa
Observed band size: 27 kDa

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