



Datasheet for ABIN550170
anti-AQP2 antibody (pSer2612)



[Go to Product page](#)

1 Image

5 Publications

Overview

Quantity:	100 µL
Target:	AQP2
Binding Specificity:	pSer2612
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AQP2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic phosphopeptide of Aqp2.
Immunogen:	Synthetic phosphopeptide corresponding to residues surrounding S261 of rat Aqp2.
Cross-Reactivity:	Chicken, Cow, Dog, Human, Mouse, Primate, Rat
Characteristics:	Antibody Reactive Against Synthetic Peptide.

Target Details

Target:	AQP2
Alternative Name:	Aqp2 (AQP2 Products)
Gene ID:	25386
Pathways:	Response to Water Deprivation

Application Details

Application Notes: Western Blot (1:1000)
The optimal working dilution should be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In 10 mM HEPES, 150 mM NaCl, pH 7.5 (50 % glycerol, 10 % BSA)

Storage: -20 °C,-80 °C

Storage Comment: Store at -20°C with 50% glycerol. Store at -80°C for long term storage.
Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in: Xu, Barone, Brooks, Soleimani: "Double knockout of carbonic anhydrase II (CAII) and Na(+)-Cl(-) cotransporter (NCC) causes salt wasting and volume depletion." in: **Cellular physiology and biochemistry : international journal of experimental cellular physiology, biochemistry, and pharmacology**, Vol. 32, Issue 7, pp. 173-83, (2014) ([PubMed](#)).

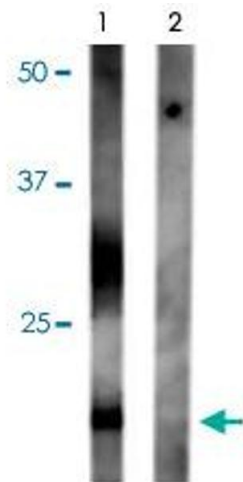
Marion, Schlicht, Mockel, Caillard, Imhoff, Stoetzel, van Dijk, Brandt, Moulin, Dollfus: "Bardet-Biedl syndrome highlights the major role of the primary cilium in efficient water reabsorption." in: **Kidney international**, Vol. 79, Issue 9, pp. 1013-25, (2011) ([PubMed](#)).

Hoffert, Nielsen, Yu, Pisitkun, Schleicher, Nielsen, Knepper: "Dynamics of aquaporin-2 serine-261 phosphorylation in response to short-term vasopressin treatment in collecting duct." in: **American journal of physiology. Renal physiology**, Vol. 292, Issue 2, pp. F691-700, (2007) ([PubMed](#)).

Iolascon, Aglio, Tamma, D'Apollito, Addabbo, Procino, Simonetti, Montini, Gesualdo, Debler, Svelto, Valenti: "Characterization of two novel missense mutations in the AQP2 gene causing nephrogenic diabetes insipidus." in: **Nephron. Physiology**, Vol. 105, Issue 3, pp. p33-41, (2007) ([PubMed](#)).

Ford, Rivarola, Chara, Blot-Chabaud, Cluzeaud, Farman, Parisi, Capurro: "Volume regulation in cortical collecting duct cells: role of AQP2." in: **Biology of the cell / under the auspices of the**

Images



Western Blotting

Image 1. Western blot of rat kidney lysate showing specific immunolabeling of the ~ 29k and 37k glycosylated form of the Aqp2 protein phosphorylated at Ser261. Immunolabeling is blocked by the phospho-peptide used as antigen (peptide) but not by the corresponding dephospho-peptide (not shown).