

AQP2 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP00556
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human Aquaporin 2. AA range:222-271
Mol wt	28837
Species reactivity	Human, Mouse, Rat, Monkey
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	AQP2 Antibody
Synonyms	AQP2; Aquaporin-2; AQP-2; ADH water channel; Aquaporin-CD; AQP-CD; Collecting duct water channel protein; WCH-CD; Water channel protein for renal collecting duct

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Aquaporin 2 (AQP2) is a water transport protein that forms water channels in kidney tubules and plays a predominant role in controlling organism water homeostasis. Mutations in the corresponding AQP2 gene cause a rare form of diabetes known as nephrogenic diabetes insipidus. This autosomal dominant disorder is characterized by abnormal water reabsorption by kidney tubules due, in part, to either nonfunctional or mislocalized AQP2 protein.

Recommended Dilution

WB: 1: 500 - 1: 2000

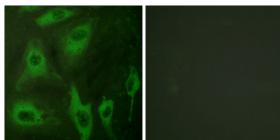
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

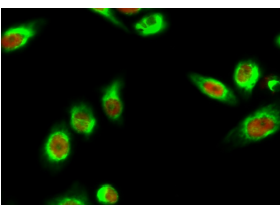
ELISA: 1: 10000

Not yet tested in other applications.

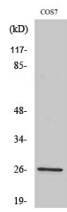
Images



Immunofluorescence analysis of HeLa cells, using Aquaporin 2 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunofluorescence analysis of HeLa cell. 1, AQP2 Polyclonal Antibody (green) was diluted at 1:200 (4° overnight). (red) was diluted at 1:200 (4° overnight). 2, Goat Anti Rabbit Alexa Fluor 488 was diluted at 1:1000 (room temperature, 50min). Goat Anti Mouse Alexa Fluor 594 was diluted at 1:1000 (room temperature, 50min).



Western Blot analysis of various cells using AQP2 Polyclonal Antibody

Storage

-20°C for one year

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