For Research Use Only

AQP6 Recombinant antibody

Catalog Number:83322-3-RR

proteintech®
Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
83322-3-RR

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG26845

GenBank Accession Number:
NM_001652

GeneID (NCBI):
363

UNIPROT ID:
Q13520

Full Name:
aquaporin 6, kidney specific

Calculated MW:
29 kDa

Observed MW:
34 kDa

Purification Method:
Protein A purfication

CloneNo.:
240175F9

Recommended Dilutions:
WB 1:2000-1:10000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human

Positive Controls:

WB : COLO 320 cells, HEK-293 cells, MCF-7 cells, U-87 MG cells

Background Information

AQP6 (Aquaporin-6) has recently been identified as an intracellular vesicle water channel with anion permeability that is activated by low pH or HgCl2 (PMID: 12034750). It could be involved in physiological mechanisms of fluid movement, acid-base regulation, and/or anion transport. The calculated MW of AQP6 is 29 kDa, but the actual observed MW is around 35 kDa, which represents glycosylated AQP6 monomer forms (PMID: 19811639).

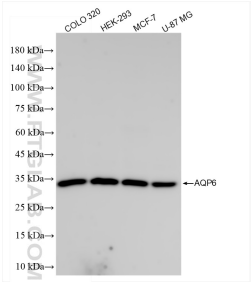
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

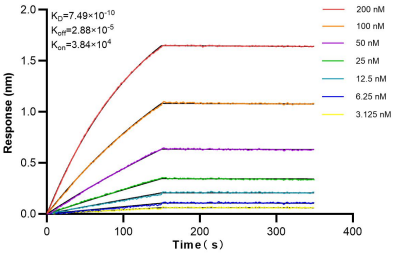
***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83322-3-RR (AQP6 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83322-3-RR against Human AQP6 were performed. The affinity constant is 0.749 nM.