

For Research Use Only

AQP6 Recombinant antibody

Catalog Number:83322-3-RR



Basic Information

Catalog Number: 83322-3-RR	GenBank Accession Number: NM_001652	Purification Method: Protein A purification
Size: 1000 ug/ml	GeneID (NCBI): 363	CloneNo.: 240175F9
Source: Rabbit	UNIPROT ID: Q13520	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG	Full Name: aquaporin 6, kidney specific	
Immunogen Catalog Number: AG26845	Calculated MW: 29 kDa	
	Observed MW: 34 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : COLO 320 cells, HEK-293 cells, MCF-7 cells, U-87 MG cells
Species Specificity: human	

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

For technical support and original validation data for this product please contact:

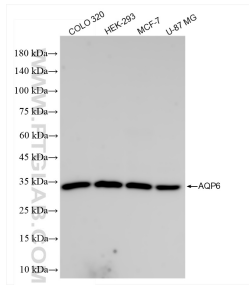
T: 4006900926

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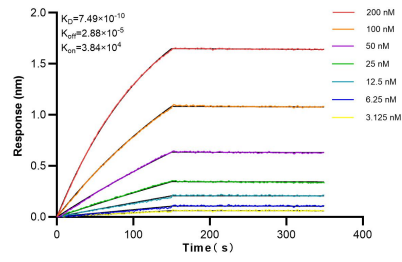
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Selected Validation Data



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 .