

Product datasheet for TA373616

Aquaporin 2 (AQP2) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: ICC/IF, IHC, WB

Recommended Dilution: WB,1:500 - 1:2000

IHC,1:50 - 1:100 IF,1:50 - 1:200

Reactivity: Human, Mouse, Rat

Modifications: Unmodified

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

Immunogen: Recombinant fusion protein containing a sequence corresponding to amino acids 147-271 of

human AQP2 (NP_000477.1).

Formulation: Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Concentration: lot specific

Purification: Affinity purification

Conjugation: Unconjugated

Storage: Store at -20°C. Avoid freeze / thaw cycles.

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 28kDa

Gene Name: aquaporin 2

Database Link: Entrez Gene 359 Human

P41181

Background: This gene encodes a water channel protein located in the kidney collecting tubule. It belongs

to the MIP/aquaporin family, some members of which are clustered together on chromosome 12q13. Mutations in this gene have been linked to autosomal dominant and recessive forms

of nephrogenic diabetes insipidus.

Synonyms: AQP-2; AQP-CD; aquaporin-CD; MGC34501; WCH-CD



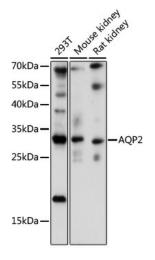
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

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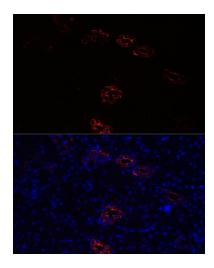
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Product images:

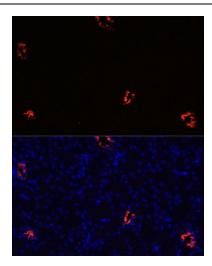


Western blot analysis of extracts of various cell lines, using AQP2 antibody (TA373616) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit . | Exposure time: 10s.



Immunofluorescence analysis of rat kidney cells using AQP2 antibody (TA373616) at dilution of 1:100. Blue: DAPI for nuclear staining.





Immunofluorescence analysis of mouse kidney cells using AQP2 antibody (TA373616) at dilution of 1:100. Blue: DAPI for nuclear staining.