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YBA579Rb01 100 $\mu$ g

Recombinant Aquaporin 1, Colton Blood Group (AQP1)

Organism Species: *Oryctolagus cuniculus* (Rabbit)

*Instruction manual*

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)

## [ PROPERTIES ]

Residues: Val78~Phe229

Tags: Two N-terminal Tags, His-tag and T7-tag

Accession: G1TN20

Host: *E. coli*

Subcellular Location: Cell membrane. Purity:  
>90%

Endotoxin Level: <1.0EU per 1 $\mu$ g (determined by  
the LAL method).

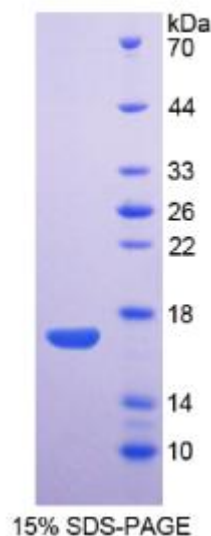
Formulation: Supplied as lyophilized form in PBS,  
pH7.4, containing 5% trehalose, 0.01% sarcosyl.

Predicted isoelectric point: 7.9

Predicted Molecular Mass: 19.2kDa

Applications: SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)



## [ USAGE ]



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Reconstitute in sterile PBS, pH7.2-pH7.4.

## [ STORAGE AND STABILITY ]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

## [ SEQUENCES ]

The sequence of the target protein is listed below.

VVAEF LAMTLFVFIS IGSALGFQYP VGSNQTAVQD NVKVSLAFGL SIATLAQSVG  
HISGAHLNPA VTLGLLSCQ ISILRAVLYI IAQCVGAIVA TAILSGVTSS LPMNSLGRND  
LAPGVNSGQG LGIEIIGTLQ LVLCLATTD RRRRDLGGS PLAIGFSVAL GHLLAIDYTG  
CGINPARSF