

## AQP4 (P253) polyclonal antibody

Catalog: BS3436

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

In skeletal muscle, AQP4 (aquaporin 4 also known as mercurial insensitive water channel), localizes to the sarcolemma of fast-twitch muscle fibers. Aquaporins (AQPs) are a large family of integral membrane water transport channel proteins that facilitate the transport of water through the cell membrane. This function is conserved in animals, plants and bacteria. Many isoforms of aquaporin have been identified in mammals, designated AQP0 through AQP10. Aquaporins are widely distributed and it is not uncommon for more than one type of AQP to be present in the same cell. Although most aquaporins are only permeable to water, AQP3, AQP7, AQP9 and one of the two AQP10 transcripts are also permeable to urea and glycerol.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 35 kDa

### Swiss-Prot:

P55087

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

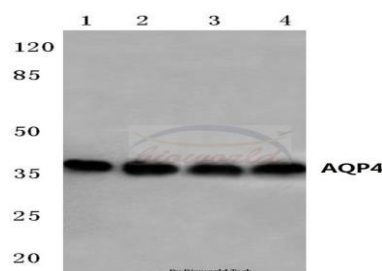
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

AQP4 (P253) polyclonal antibody detects endogenous levels of AQP4 protein.

### DATA:



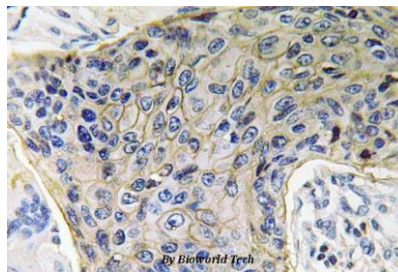
Western blot (WB) analysis of AQP4 (P253) polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate

Lane2:Jurkat cell lysate

Lane3:PC12 cell lysate

Lane4:sp2/0 cell lysate



Immunohistochemistry (IHC) analyzes of AQP4 (P253) pAb in paraffin-embedded human lung carcinoma tissue.

### Note:

For research use only, not for use in diagnostic procedure.

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