

AVP Receptor V2 (L111) polyclonal antibody

Catalog: BS3210

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The human AVP receptor V2 gene maps to chromosome Xq28 and is expressed in lung and kidney. Mutations in the V2 receptor result in nephrogenic diabetes insipidus (NDI), a rare X-linked disorder characterized by the inability of the kidney to concentrate urine in response to AVP. The AVP Receptor V2 activates the Gs protein and the cyclic AMP second messenger system. The AVP Receptor V3 is preferentially expressed in the pituitary and stimulates the release of adrenocorticotrophic hormone (ACTH) in response to AVP by mobilizing intracellular calcium stores. AVP receptor antagonists may have potential therapeutic effects in hypertension, congestive heart failure, nephrotic syndrome and ACTH-secreting tumors.

Product:

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

Molecular Weight:

~ 38 kDa

Swiss-Prot:

P30518

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

IF: 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:

AVP Receptor V2 (L111) polyclonal antibody detects endogenous levels of AVP Receptor V2 protein.

DATA:



Western blot (WB) analysis of AVP Receptor V2 (L111) polyclonal antibody at 1:500 dilution

Lane1:786-O whole cell lysate(40ug)

Lane2:HEK293T whole cell lysate(40ug)

Lane3:The kidney tissue lysate of Mouse(40ug)

Lane4:The kidney tissue lysate of Rat(40ug)

Lane5:PC12 whole cell lysate(40ug)

Note:

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

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