

PEN2 polyclonal antibody

Catalog: BS9960M

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Four proteins comprise the gamma-secretase complex: presenilin, nicastrin, aph-1, and PEN-2. Together, these proteins mediate cell surface signaling pathways for a variety of type I membrane proteins, notably amyloid-beta precursor protein, a protein implicated in the development of Alzheimer's disease, via intramembrane proteolysis. The proteins assemble into a proteolytically active complex in the golgi/trans-golgi network (TGN) compartments. Assembly leads to autocleavage of presenilin into two subunits to create the active site of gamma-secretase, an important step in understanding the mechanisms involved in the etiology and possible treatment of Alzheimer's disease.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 12 kDa

Swiss-Prot:

Q9NZ42

Purification&Purity:

Protein A affinity purified.

Applications:

WB: 1:500-1:2000 IHC: 1:50-1:200

ICC: 1:50-1:200 FC: 1:50-1:100

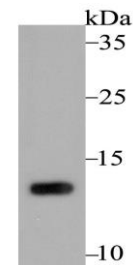
Storage&Stability:

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

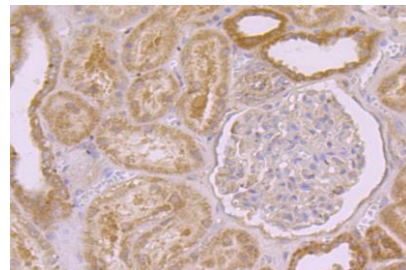
Specificity:

This antibody detects endogenous levels of PEN2 and does not cross-react with related proteins.

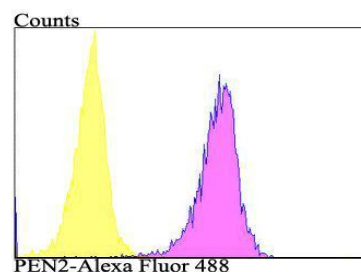
DATA:



Western blot analysis of PEN2 on mouse spleen tissue lysate using anti-PEN2 antibody at 1:2000 dilution.



Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-PEN2 antibody. Counter stained with hematoxylin.



Flow cytometric analysis of A549 cells with PEN2 antibody at 1/100 dilution (purple) compared with an unlabelled control (cells without incubation with primary antibody; yellow). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

Note:

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

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