

Anti-PSENEN Antibody (3P624)

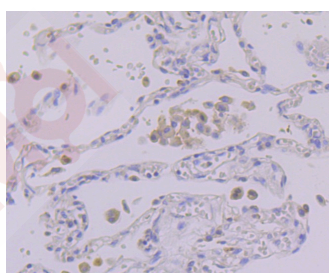
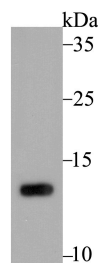
Product Details

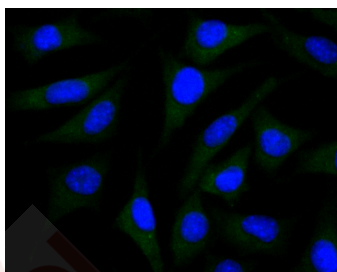
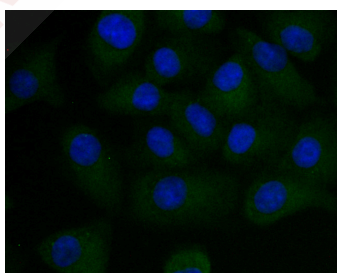
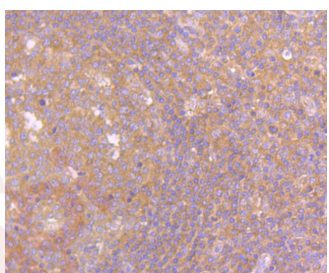
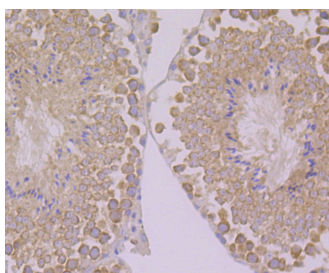
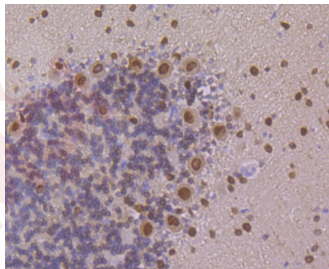
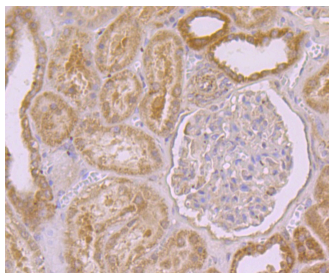
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 12 kDa.
Clone:	3P624
Purification:	ProA affinity purified

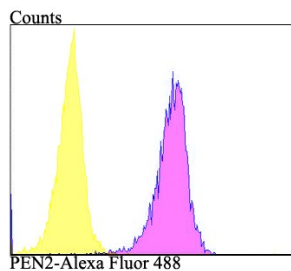
Applications

1. Western blot analysis of PEN2 on mouse spleen tissue lysate using anti-PEN2 antibody at 1/2,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-PEN2 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-PEN2 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue using anti-PEN2 antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-PEN2 antibody. Counter stained with hematoxylin.
6. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-PEN2 antibody. Counter stained with hematoxylin.
7. ICC staining PEN2 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
8. ICC staining PEN2 in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
9. 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.

Verified Activity:







Application: FCM,ICC,IHC,WB

Recommended WB: 1:500-2000; IHC: 1:50-200; ICC: 1:50-200; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: A synthesized peptide: C-terminal human PEN2

Antigen Species: human

Uniprot ID: Q9NZ42

Synonyms: Gamma-secretase subunit PEN-2; Presenilin enhancer protein 2; PEN2; PSENEN

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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