Product datasheet

Anti-TAU/MAPT Antibody

Catalog Number: *A00097-3*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-TAU/MAPT Antibody
Gene Name	MAPT
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, ICC/IF, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human Tau/MAPT recombinant protein (Position: M1-L322).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	50-80 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-400 Flow cytometry (FCM): 1-3μg/1x10^6 cells Enzyme linked immunosorbent assay (ELISA): 1:100-1000

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

MAPT, Microtubule-associated protein tau, appears to be enriched in axons. The MAPT gene is assigned to chromosome 17 by hybridization of a cDNA clone to flow-sorted and spot-blotted chromosomes and to 17q21 by in situ hybridization, containing 16 exons. The tau proteins are the product of alternative splicingfrom a single gene that in humans is designated MAPT. Tau proteins are proteins that stabilize microtubules. They are abundant in neurons in the central nervous system and are less common elsewhere. When tau proteins are defective, and no longer stabilize microtubules properly, they can result in dementias such as Alzheimer's disease.

Reference

Anti-TAU/MAPT Antibody被引用在4文献中。

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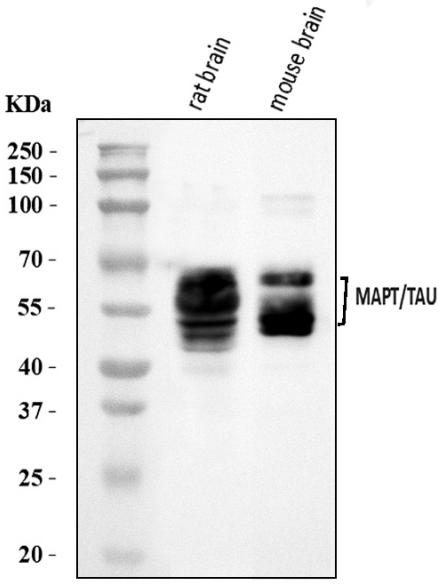
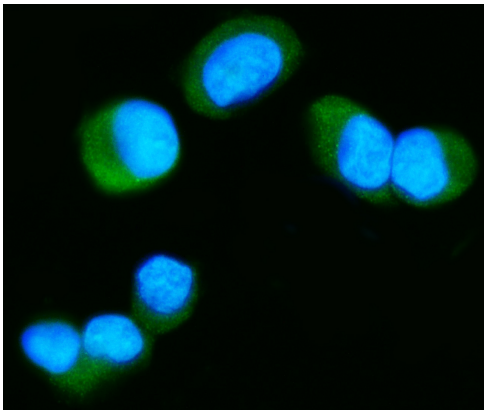
Selected Validation Data



Western blot analysis of TAU/MAPT using anti-TAU/MAPT antibody (A00097-3). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: rat brain tissue lysates,
Lane 2: mouse brain tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-TAU/MAPT antigen affinity purified polyclonal antibody (A00097-3) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for TAU/MAPT at approximately 50-80 kDa. The expected band size for TAU/MAPT is at 79 kDa.



IF analysis of TAU/MAPT using anti-TAU/MAPT antibody (A00097-3). TAU/MAPT was detected in an immunocytochemical section of T-47D cells. The section was incubated with rabbit anti-TAU/MAPT Antibody (A00097-3) at a dilution of 1:100. DyLight®488 Conjugated Goat Anti-Rabbit IgG (Green) (Catalog # BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).